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SERVICE MANUAL

Product Type:	Projection TV
Chassis:	AP-03NB
Manual Series:	
Manual Part #:	
Model Line:	
Product Year:	2004

Model Series:

R45W47
R50W47
R57W47

CONTENTS

Product Specifications 4
Description of Controls 5
Adjustment Instructions 8
Diagrams 24
Parts List 32
Schematics.....

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PRODUCT SAFETY

IMPORTANT SAFETY NOTICE

This manual was prepared for use only by properly trained audiovisual service technicians. When servicing this product, under no circumstances should the original design be modified or altered without permission from Zenith Electronics Corporation. All components should be replaced only with types identical to those in the original circuit and their physical location, wiring, and lead dress must conform to original layout upon completion of repairs. If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it only with the factory specified fuse type and rating. When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB. Always keep wires away from high voltage or high temperature parts.

Special components are also used to prevent shock and fire hazard.
These components are indicated by the letter "x" included in their component designators and are required to maintain safe performance. No deviations are allowed without prior approval by Zenith Electronics Corporation. Service work should be performed only after you are thoroughly familiar with these safety checks and servicing guidelines.

Circuit diagrams may occasionally differ from the actual circuit used.
This way, implementation of the latest safety and performance improvement changes into the set is not delayed until the new service literature is printed.

CAUTION: Do not attempt to modify this product in any way.
Never perform customized installations without manufacturer's approval.
Unauthorized modifications will not only void the warranty, but may lead to property damage or user injury.

GENERAL GUIDANCE

An Isolation Transformer should always be used during the servicing
of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating to protect against personal injury from electrical shocks. It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

Before returning the receiver to the customer, always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate
without damage of electrical shock.

LEAKAGE CURRENT COLD CHECK (ANTENNA COLD CHECK)

With the instrument's AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together, and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc. If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ. When the exposed metal has no return path to the chassis the reading must be infinite. Any other abnormality that exists must be corrected before
the receiver is returned to the customer.

ELECTROSTATICALLY SENSITIVE DEVICES

Some semiconductor (solid-state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on the body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as an ESD mat, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charge sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil, or comparable conductive material.)
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise, seemingly harmless motion, such as the brushing together of your clothing or the lifting of your foot from a carpeted floor, can generate static electricity sufficient to damage an ES device.)

REGULATORY INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna; Increase the separation between the equipment and receiver; Connect the equipment into an outlet on a circuit different from that to which the receiver is connected; Consult the dealer or an experienced radio/TV technician for help.

The responsible party for this device's compliance is:

LG Electronics USA, Inc.
201 James Record Road Huntsville, AL 35824, USA
Digital TV Hotline: 1-800-243-0000

TABLE OF CONTENTS

SPECIFICATIONS.....4

DESCRIPTION OF CONTROLS.....5

ADJUSTMENT INSTRUCTION.....8

PRINTED CIRCUIT BOARDS.....14

BLOCK DIAGRAM.....24

EXPLODED VIEW.....26,28,30

EXPLODED VIEW PARTS LIST.....27,29,31

REPLACEMENT PARTS LIST.....32

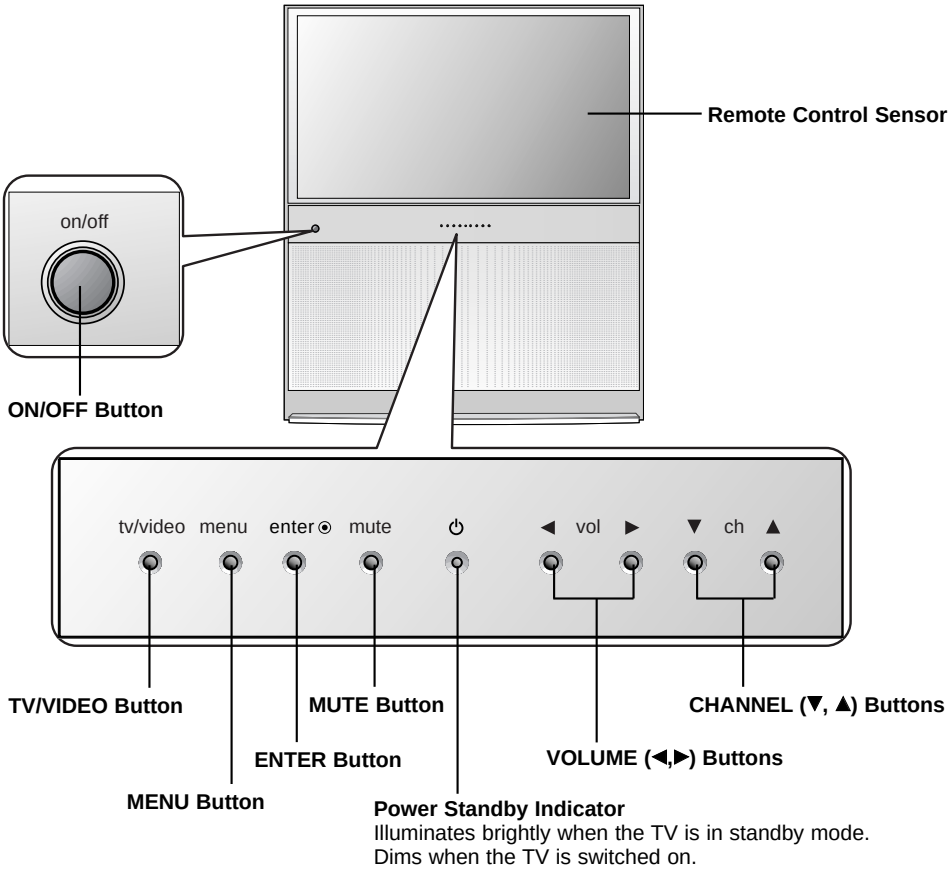
SCHEMATIC DIAGRAM.....

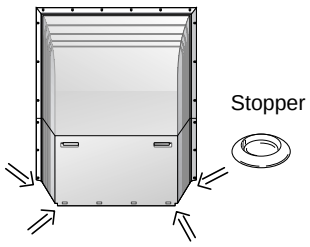
SPECIFICATIONS

MODEL	R45W47
Power Requirement	AC 120V, 60Hz
Television System	American TV Standard, NTSC, ATSC with STB
Television Channels	VHF 2 ~ 13, UHF 14 ~ 69, CATV 1 ~ 125, CADTV 1 ~ 135
Power Consumption (W)	300W
Antenna	75 ohm external terminal for VHF/UHF
Audio Output (W)	15W + 15W

DESCRIPTION OF CONTROLS

Controls

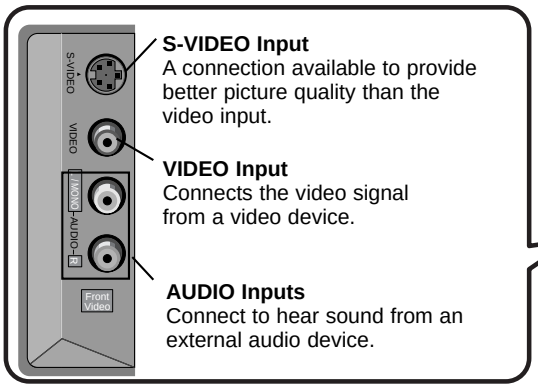




Securing TV Position

- Position the TV and prevent it from being moved, by placing the 4 stoppers under the roller casters on the bottom of the TV.
- **Casters (on TV bottom)**
  Use to turn and move the TV easily.

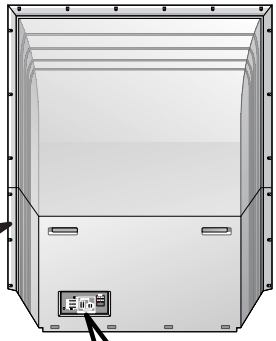
Connection Options



S-VIDEO Input
A connection available to provide better picture quality than the video input.

VIDEO Input
Connects the video signal from a video device.

AUDIO Inputs
Connect to hear sound from an external audio device.

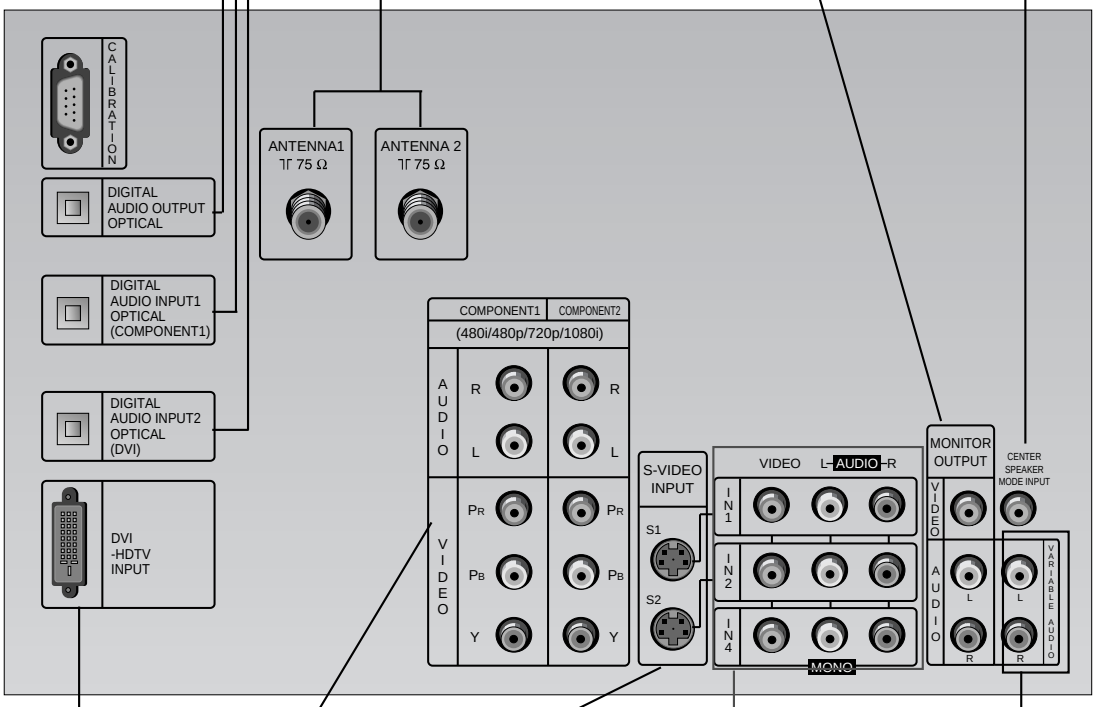


Digital Audio (DVI: Digital Visual Interface/Component1) Input 1-2/ Digital Audio Output
Connect digital audio from various types of equipment.

Antenna 1-2 Inputs
Connect cable or antenna signals to the TV, either directly or through your cable box. For DTV use Antenna 2 only.

Monitor Output
Connect a second TV or Monitor.

Center Speaker Mode In
Connect to external Dolby Digital Center “Preamp output”



DVI-HDTV Input
connect from a DTV source.

DVD/DTV Input (Component 1-2)
Connect a component video/audio device to these jacks.

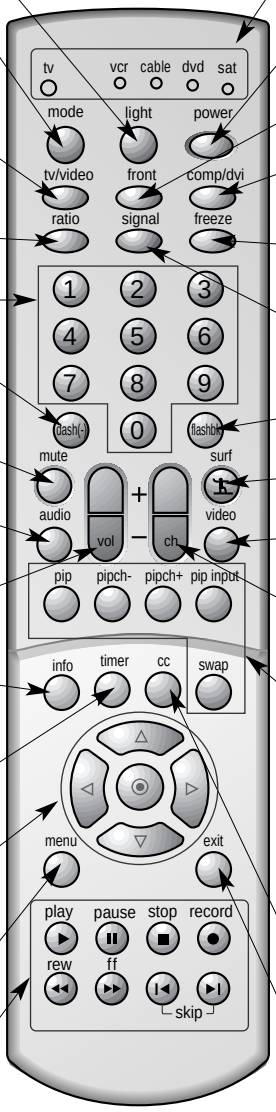
S-Video Input
Connect S-Video out from an S-VIDEO device to the S-VIDEO input.

Audio/Video Input 1, 2, 4
Connect audio/video output from an external device to these jacks.

Variable Audio Out
Connect either an external amplifier, or add a sub-woofer to your surround sound system.

Remote Control Key Functions

- When using the remote control, aim it at the remote control sensor on the TV.



LIGHT
Illuminates the remote control buttons.

MODE
Selects the remote operating mode: TV, VCR, Cable Box, DVD, or Satellite. Select other operating modes, for the remote to operate external devices.

TV/VIDEO
Selects: DTV, Analog, Video1-2, Front Video, Video4, Component 1-2, and DVI input sources.

RATIO
Changes the aspect ratio.

NUMBER buttons

DASH
Used to enter a program number for multiple program channels such as 2—1,2—2,etc.

MUTE
Switches the sound on or off.

AUDIO
Selects MTS sound: Mono, Stereo, and SAP. Change the audio language in DTV mode.

VOLUME UP/DOWN
Increases/decreases the sound level.

INFO
When you watch the TV, displays information on top of the screen. Not available in Component 1-2, RGB and DVI mode.

TIMER
Lets you select the amount of time before your TV turns itself off automatically.

THUMBSTICK (Up/Down/Left/Right/OK)
Allows you to navigate the on-screen menus and adjust the system settings to your preference.

MENU
Brings up the main menu to the screen.

VCR/DVD BUTTONS
Control some video cassette recorders or DVD player ("RECORD" button is not available for DVD player).

MODE INDICATOR LIGHTS
Show active remote mode every time any button is pressed.

POWER
Turns your TV or any other programmed equipment on or off, depending on mode.

FRONT
Selects the front video input sources.

COMP/DVI
Selects: Component 1-2, and DVI input sources.

FREEZE
Freezes the currently-viewed picture. Main picture is frozen in PIP/Twin picture mode.

SIGNAL
Displays the digital signal strength.

FLASHBK
Tunes to the last channel viewed.

SURF
Use to scroll the Surf channel list.

VIDEO
Adjusts the factory preset picture according to the room.

CHANNEL UP/DOWN
Selects available channels found with EZ scan.

PIP
Switches between PIP, POP (Picture-out-of-Picture) and Twin picture modes.

PIPCH-/PIPCH+
Changes to next higher/lower PIP channel.

PIP INPUT
Selects the input source for the sub picture.

SWAP
Exchanges the PIP/main images.

CC
Select a closed caption: Off, EZ Mute, and On.

EXIT
Clears all on-screen displays and returns to TV viewing from any menu.

ADJUSTMENT INSTRUCTIONS

These instructions are only for the AP-03NB chassis.

Notes

(1) Because this is not a hot chassis, it is not necessary to use an isolation transformer.
However, the use of isolation transformer will help protect test instrument.
(2) Adjustments must be done in the correct order.
(3) The receiver must be operated for about 45 minutes proir to the adjustment.
Pre-heatrun must be operated receiving moving pictures or 100% white pattern.

※ Never operate the SET over 10 minutes with still picture because a fluorescent material may get damage.

1. Component AD9883A Offset/Gain Adjustment

1-1. Required Test Equipments

801GF(802B, 802F, 802R) of QuantumData pattern generator

1-2. Preparation for Adjustment

(1) Connect a power source to the TV Set and turn TV set on.
(2) Enter the “Component 1” mode.
(3) Receive the “1080I” Format and “Hoz30Bar” Pattern of Video Pattern Generator.
(4) Set the output to the television so (Y, Pb, Pr) is 700mVp-p ±10mV.

<Fig. 1> 1080I Format, Hoz30Bar Pattern

1-3. ADCoffset Adjustment

(1) Press Adjust key on the service remote control to enter the adjustment mode after more than 1 second of receiving the signals.
(2) Press “9. AD9883A-Set” of adjustment item to adjust.
(3) When the adjustment is completed, “AD9883A-DONE!” will appear on the screen.

2. Raster Slant/Focus Adjustment

2-1. Preliminary steps

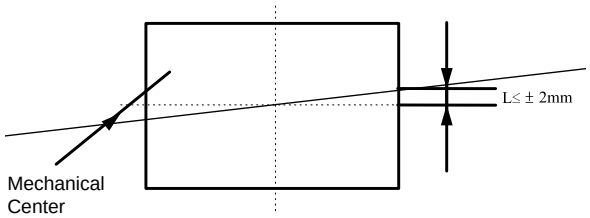
(1) Apply power to the unit and switch the unit ON.
(2) Receive a cross hatch signal.
(3) Select ADJ key on the service remote Control and then select “0 Raster, Center, H/V_Size” move the cursor or by pressing the key No. 0.
(4) Adjust Lens Focus/Electric focus temporarily.

※ When selecting “0 Raster, Center, H/V_Size” mode after entering adjustment mode with INSTART key, the convergence resets and then preparation for adjustment complete.

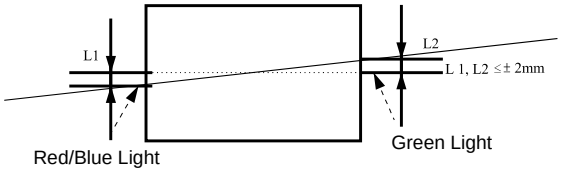
※ The convergence reset is possible even from convergence adjustment mode.
(1) Enter into convergence adjustment mode: Select ADJ key on the Service Remote and then select “3 Convergence” move the cursor or using the key No.
(2) Convergence reset: press the key No. 5, press the ENTER key.
(3) To exit the adjustment mode: Press the INSTART key.

2-2. Adjustment

(1) Make Green raster by covering Red and Blue.
(2) Rotate Green DY and tilt the screen like figure below.



(3) Make 2 color raster with Red or Blue and Green.
(4) Coincide the slope of red and blue raster to that of green.



Note) 1. When adjusting raster slope, loosen the DY and fasten it after adjusting.
2. Never rotate and adjust the fixed DY without loosing it.

(5) After adjustment complete, exit the RASTER adjustment mode using ENTER key and exit the SVC adjustment mode using ADJ key.

※ When release the RASTER adjustment mode using ENTER Key it turns the data of the convergence with in situ automatically and the adjustment is completed.

ADJUSTMENT INSTRUCTIONS

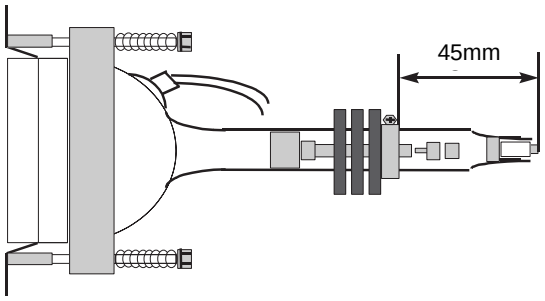
3. Beam Alignment Adjustment

3-1. Test Equipment

Video Test Generator(801GF) or Signal Generator that can produce NTSC DOT pattern(408NPS or 5518/5418 equipment)

3-2. Preliminary steps

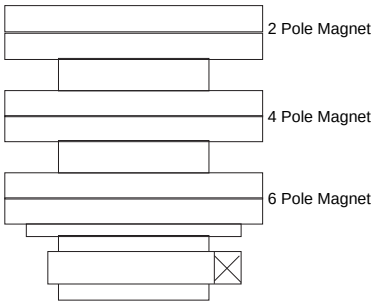
(1) Heat run over 45 minutes.
(2) Pre-adjust Raster slope, Raster position, Centering Magnet & Lens focus.
(3) Check if the Magnet is located 45mm from the end of CRT.
(4) In case of using 801GF : Receive #13 DOT Pattern of VGA mode(Format #5) through PC input terminal.
In case of using NTSC generator : Receive Dot signal through the external input terminal.



3-3. 2-Pole Magnet Adjustment

(1) Make Green raster by covering Red and Blue.
(2) Check the center position of DOT pattern on the center of the screen after turning Green focus volume left.
(3) Turning green focus volume right and adjust 2-Pole magnet so the position to coincide that of item ”(2)”.
(4) Adjust not to shift the screen by turning green focus volume clockwise and counter clockwise.
(5) If the screen shifts, readjust (2)~(4).
(6) Do the same method in Red and Blue.

3-4. Beam Shape(4 & 6-Pole Magnet) Adjustment



(1) Do after 2-Pole magnet adjustment.
(2) Make Green raster using lens cover and turn the focus volume right.
(3) Make the dot in the center a perfect circle using 4 & 6-Pole magnet.
(4) Do the same method in Red & Blue.
(5) Fasten the Magnet after adjustment.
(6) Adjust focus accurately.

4. Centering Magnet Adjustment

4-1. Preliminary steps

(1) Receive the image signal.
(2) Select ADJ key on the Service Remote and then select “0 Raster, Center, H/V_Size” move the cursor or using the key No.
(3) When selecting the adjustment mode, the convergence resets automatically and then preparation for adjustment complete.

4-2. Adjustment

(1) Execute adjustment of Red, Green and Blue centering Magnet.
Locate the Green centering Magnet in middle.
(2) Application the SGS THOMSON CONVERGENCE ASSY, adjust center of Blue image signal from the center of Green image signal 30±3mm in order to reach this standing with the left side, adjust center of Red image signal from the center of Green image signal 30±3mm in order to reach this standing with the right side
(3) After adjustment complete, exit the RASTER adjustment mode using ENTER key and exit the SVC adjustment mode using ADJ key.

5. High Voltage Regulation Adjustment

5-1. Test Equipment

Digital Multi-Meter(DMM)

5-2. Preliminary steps

Select TV/AV key on the Remote Control and setting to A/V no signal.

5-3. Adjustment

(1) Connect DMM to the P415(+), P416(-) of Deflection Board.
(2) Adjust VR401 so that the P415(+), P416(-) voltage is 21.7±0.1V. (High voltage 31.5KV)

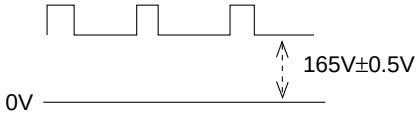
6. CUT-OFF Voltage Adjustment

6-1. Preliminary steps

Select ADJ key on the service Control and then select "1. Cut-off" by moving the cursor or using the key No.

6-2. Adjustment

(1) Test Equipment: Oscilloscope, 100:1 Probe
(2) Connect oscilloscope to cathode of R, G, B(R926R/B/G: SCREEN ADJ on the PCB) and GND.
(3) Turning Screen Volume (R/G/B) in Focus Pack and adjust R/G/B is 165V±0.5V.
(4) After adjustment complete, exit the CUT-OFF adjustment mode using ENTER key and exit the SVC adjustment mode using ADJ key.



7. Deflection Adjustment

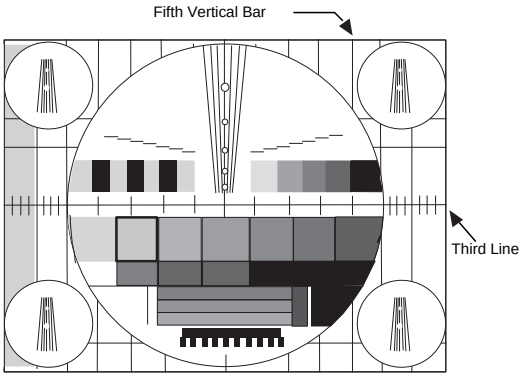
7-1. Preliminary steps

(1) Select ADJ key on the Service Remote and then select "0 Raster, Center, H/V_Size" move the cursor or using the key No.
(2) Make Green raster using lens cover.

7-2. Adjustment

(1) Select the below each mode using CH▲, CH▼ on the Service Remote Control and adjust using VOL▶, VOL◀.
(2) Check the H-Position, V-Position is 28, 26 and When is wrong, adjust each at corresponding setting.
(3) Does not adjust H, V-Position, adjust with centering magnet.

(4) H SIZE : Horizontal SIZE Adjustment
Adjust until third line of circle outermost horizontal size is accord with the edge of the frame.



(5) V-SIZE : Vertical SIZE Adjustment
Adjust until fifth Vertical BAR from upper and lower center of the screen is accord with the last point of the frame.

(6) Pin-Amp : Pincushion Correction
Adjust the vertical line of most angle lattice of right/ left of screen to be balance with vertical line of center the screen.

(7) Pin-Phase : Pincushion Phase Correction
Adjust the horizontal width of screen upper and lower is to be same.

(8) Up-CPin : Upper Pincushion Correction
Adjust the pincushion of upper area of the screen.

(9) Lo-CPin : Lower Pincushion Correction
Adjust the pincushion of lower area of the screen.

(10) AFC-Bow : Upper/Lower Vertical BOW Adjustment
Adjust the BOW of upper and lower area of the screen.

(11) AFC-Angle : Upper/Lower Vertical ANGLE Adjustment
Adjust the ANGLE of upper and lower area of the screen.

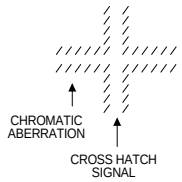
(12) After adjustment complete, exit the RASTER adjustment mode using ENTER key and exit the SVC adjustment mode using ADJ key.

8. Lens Focus and Electric Focus Adjustment

8-1. Preliminary steps

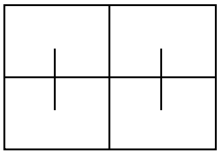
(1) Electric focus,Raster slope & Raster position must be pre-adjusted.
(2) Heat-run over 45 minutes.
(3) Tune the TV set to receive Cross Hatch
(4) Adjustment must be operated in a dark room(simple dark room) and pay attention not to touch the lens during adjustment.
(5) Make any one color raster using lens cover.
(6) Rotating lens right from the front side chromatic aberration occurs beside Cross-hatch line changes as follows;.

Lens	Change of chromatic aberration
Red	Orange ⟶ Scarlet
Green	Blue ⟶ Red
Blue	Purple ⟶ Green



8-2. Green Lens Adjustment

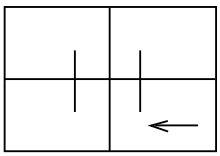
(1) Turn the lens until the chromatic aberration changed Blue to Red point.
(2) Observing all screen, if the tendency of chromatic aberration is non-linear, adjust to appear Red chromatic aberration in 3.5 Cross-Hatch section at center screen. At this time, in case that the difference of bright line of Red chromatic aberration is not equal at both sides, adjust to have more Red chromatic aberration.
(3) Switching the signal to 13CH and operate adjustment minutely.
(4) Adjust Green focus control volume of focus pack so that the external big circle's part appeared cleary.



(5) Adjust accurately by repeat the upper control.
(6) Repeat steps 1-4 until this adjustment is correct.

8-3. Red Lens Adjustment

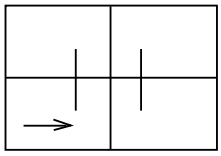
(1) Turn the lens until the chromatic aberration changed orange to scarlet.
(2) Adjust the chromatic aberration so it is centered correctly.



(3) Use the same method for the Red focus as was used for the Green focus.

8-4. Blue Lens Adjustment

(1) Rotate the lens until the chromatic abberration of 3.5 Cross-Hatch left from center point changes from Violet to Green. Adjust the chromatic abberration to be center point between violet and green.
(2) Adjust the chromatic aberration become center of purple and green.



(3) Use the same method for the Blue focus as was used for the Green focus.

8-5. After adjustment Red, Green & Blue lens, remove lens cover and receive Cross-Hatch pattern and check the overall focus. If need, repeat above.

9. Convergence Adjustment

9-1. Preliminary steps

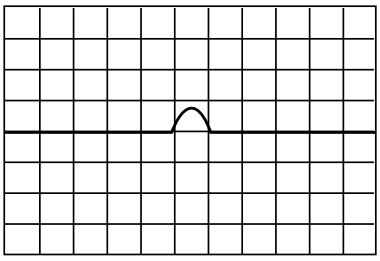
(1) This adjustment should be performed after warming up 60 minutes.
(2) This adjustment should be performed after vertical /horizontal raster position, beam alignment magnet and focus adjustment.
(3) Always apply a signal during this adjustment.
(4) Adjust uses the JIG part number screen which is lattice pattern.

9-2. Adjustment

(1) Select ADJ key on the service remote Control and then select "3 Convergence" move the cursor or using the key No.

(2) Horizontal/Vertical phase Adjustment

1) Press the button 9 & 5 to get into the phase adjustment mode.
2) Horizontal phase Adjustment : Move the convex portion to the middle of TV screen. Adjust the right and left height of second lattice into same height. (Using the ◀, ▶ buttons)



(3) Horizontal Pattern Position Adjustment

1) Press the button 9 & 4 to get into the pattern shift mode.
2) Adjust the pattern and image to be pile up by pressing the MUTE key.
3) Adjust the center of pattern and image to be agree. (Using the ◀,▶,▲,▼ buttons)
4) Use the (ENTER) button to exit this adjustment.
5) To save the adjustment data press 9, 2 then ENTER.

(4) Convergence Automatic Adjustment

Convergence adjust uses the PC and Camera automatically in basic, after automatic adjusting against the portion where the Convergence is not right with lower part manually adjustment with same method.

(5) Green Convergence Adjustment (manually)

1) After the OSD to appears in the screen by pressing key No. 2, change to green(G) adjustment mode by pressing TV/AV.
2) Display green color only on the screen by covering the to red CRT and blue CRT.
3) Adjust to coincide green pattern with screen jig pattern. (Using the ◀,▶,▲,▼ buttons)
At this time, Move cursor from center screen to around screen and adjust convergence.

(6) Red Convergence Adjustment (manually)

1) After the OSD to appears in the screen by pressing key No. 2, change to red(R) adjustment mode by pressing TV/AV.
2) If you need, cover the Blue lens.
3) Coincide the red screen with green screen in same way with that of green convergence adjustment.

(7) Blue Convergence Adjustment (manually)

1) After the OSD to appears in the screen by pressing key No. 2, change to blue(B) adjustment mode by pressing TV/AV.
2) Coincide the blue screen with green screen in same way with that of green convergence adjustment.

(8) Adjusted Data Saving (manually)

1) Save the data after adjustment by pressing 9, 1, and ENTER key.
2) Quit convergence adjustment mode.
(Using the ADJ key)

9-3. Inicializing of AUTO CONVERGENCE

(1) Select ADJ key on the Remote Control and then select "3 Convergence" move the cursor or using the key No.
(2) Press MENU key and then select "3. AC POSITION MES.".
(3) When adjusted normally, "OK" will appear on the center of screen. When finishing the adjustment, quit Convergnece adjustment mode.
(Using the ENTER and ADJ buttons)

10. White Balance Adjustment

10-1. Test Equipment

Brightness meter(CA-110)

10-2. Preliminary steps

(1) Adjust after Screen and Focus adjustment has been completed.
(2) This adjustment must be operated in a dark room or equivalent.
(3) The brightness meter must be located in 20±5cm distance from the center of the screen.
(4) Set the BURST OUT Setting of PATTERN GENERATER is OFF.
(5) The SET must be operated over 45 minutes.

10-3. Adjustment (manually)

(1) Select ADJ key on the Remote Control and then select "4 WHITE BALANCE" move the cursor or using the key No.
(2) Receive the WINDOW signal. (NTSC 13CH)
(3) High Light=160±3cd/m^2
Low Light=10±3cd/m^2
(4) Repeat adjust the color coordinates in High and Low Light as to be the values in Table below.

Cool
High Light : x=277±3, y=280±3
Low Light : x=277±3, y=280±3
(Color temperature : 11,000)

Medium
High Light : x=295±3, y=305±3
Low Light : x=295±3, y=305±3
(Color temperature : 8,000)

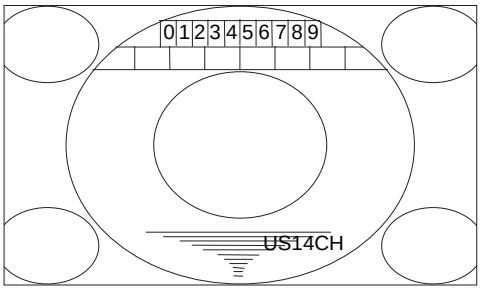
Warm
High Light : x=313±3, y=320±3
Low Light : x=313±3, y=320±3
(Color temperature : 6,500)

*** Adjustment Point**
High Light : R DRIVE, B DRIVE
Low Light : R CUT, B CUT

(5) After adjustment complete, exit the RASTER adjustment mode using ENTER key and exit the SVC adjustment mode using ADJ key.

11. SUB-BRIGHTNESS Adjustment

(1) After select ADJ key on the Remote Control, select "4 Sub-Bright" move the cursor or using the key No and select NTSC CH14.
(2) Adjust until the location "2" disappears. (Using the VOL ◄, ►)



(3) After adjustment complete, exit the RASTER adjustment mode using ENTER key and exit the SVC adjustment mode using ADJ key.

12. DVCO Adjustment

(1) After select ADJ key on the Remote Control, select "7. DVCO_Set" move the cursor or using the key No and select CH13.
(The DVCO adjustment must adjust certainly from the condition where the CH13. screen is river electric field)

(2) When the "DVCO-Set-OK" becomes the display on screen left top and the adjustment is completed.
(The DVCO adjustment must adjust certainly from the condition where the CH13. screen is river electric field)

(3) After repairs a defective cause when becomes the "DVCO-Set-Failed", re-adjusts to be "DVCO-Set-OK".

※ Adjustment Item & Data

(1) Raster, Center, H/V_Size Data

No.	Item	Data
1	V-SIZE	28
2	H-SIZE	21
3	PIN-AMP	5
4	PIN-PHASE	31
5	H-POSITION	28(fixation)
6	V-POSITION	26(fixation)
7	UP-CPIN	49
8	LO-CPIN	52
9	AFC-BOW	29
10	AFC-ANGLE	32

(2) W/B Data

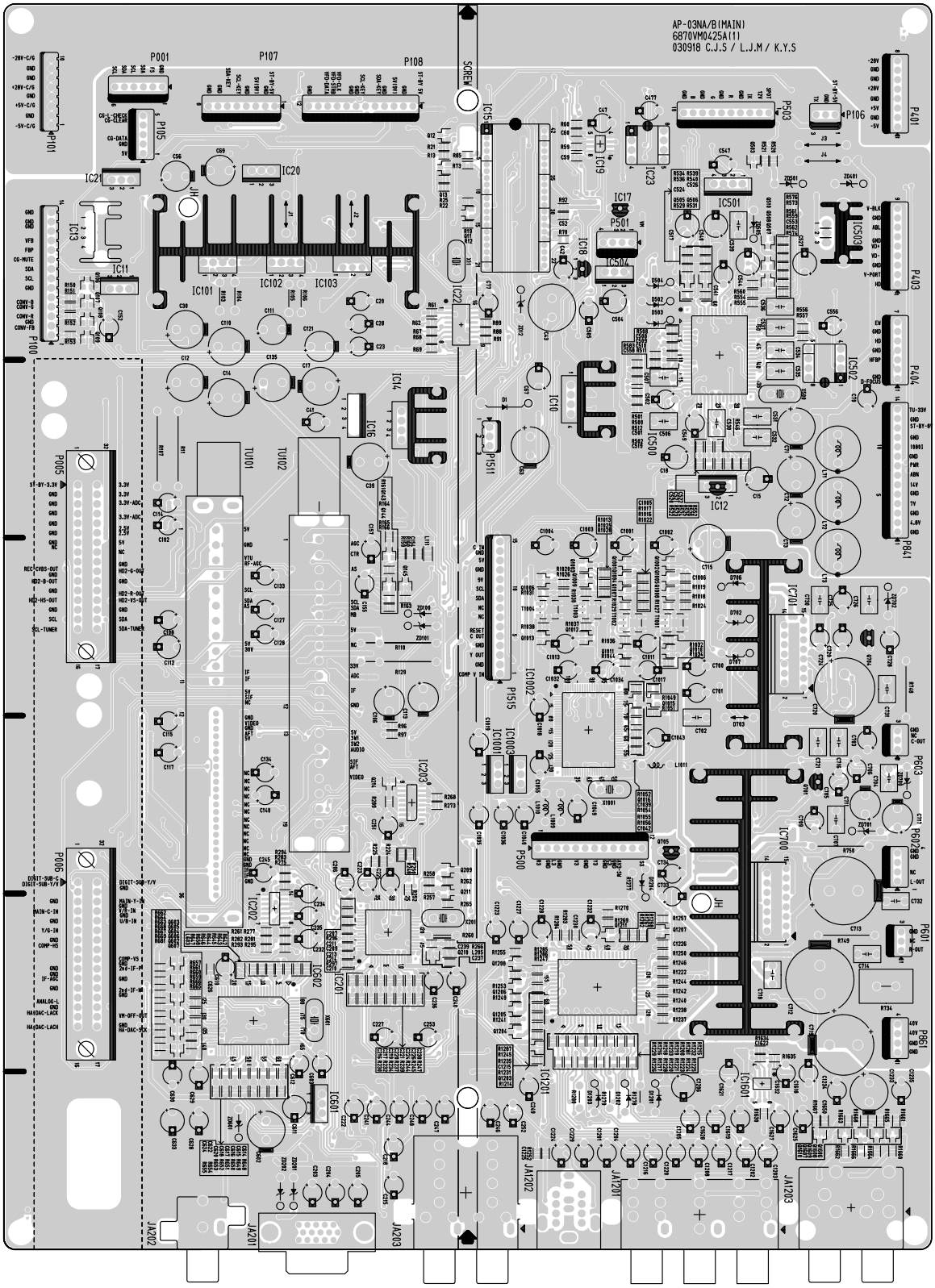
No.	Item	Data		
		Cool	Normal	Warm
1	R-DRIVE	21	22	25
2	G-DRIVE	31(fixation)	31(fixation)	31(fixation)
3	B-DRIVE	26	16	11
4	R-CUTOFF	20	22	25
5	G-CUTOFF	45(fixation)	45(fixation)	45(fixation)
6	B-CUTOFF	17	11	8

(3) SUB-BRIGHT : 19

(4) SUB-TINT/COLOR : 5/4

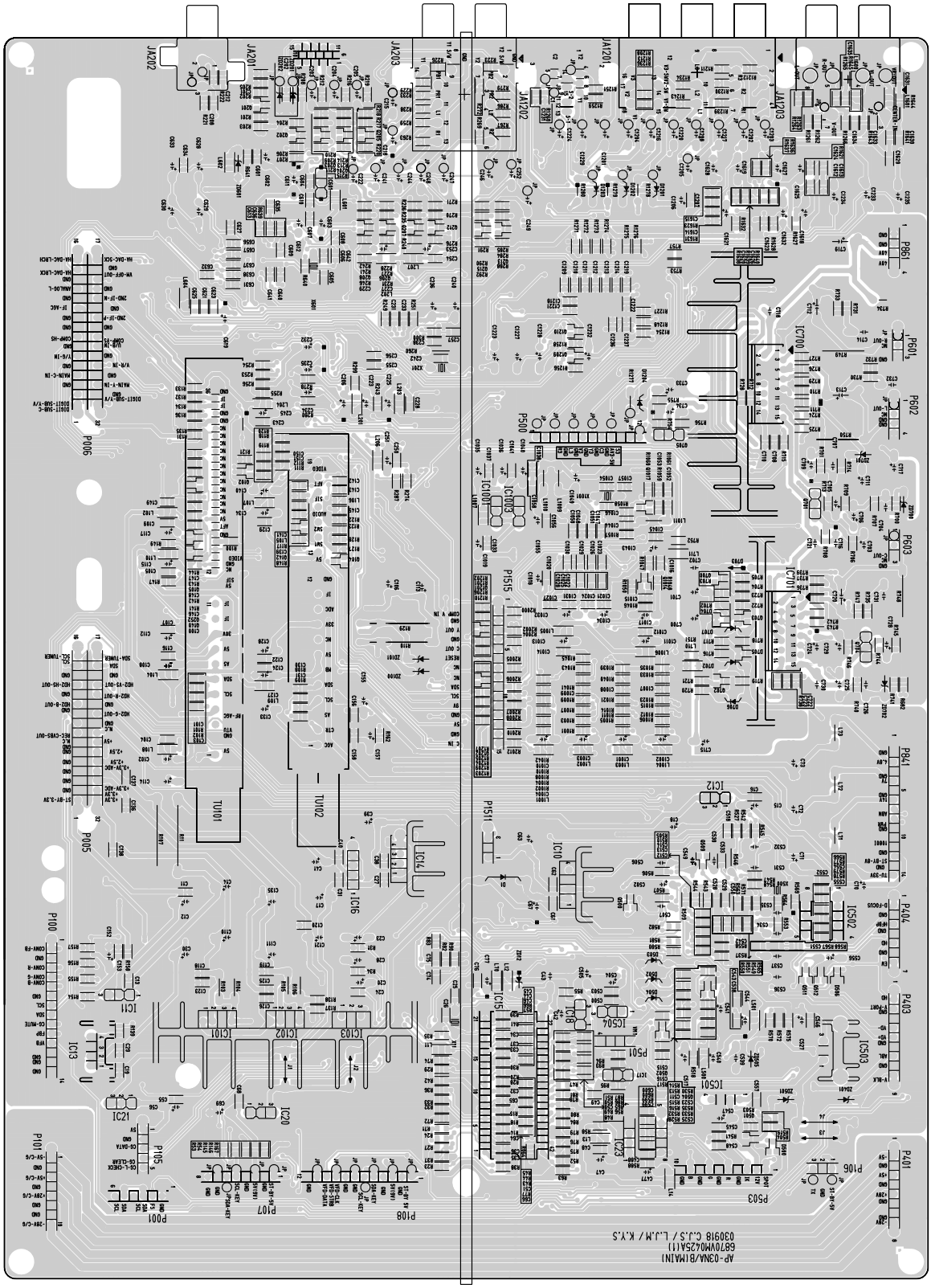
PRINTED CIRCUIT BOARD

MAIN(TOP)



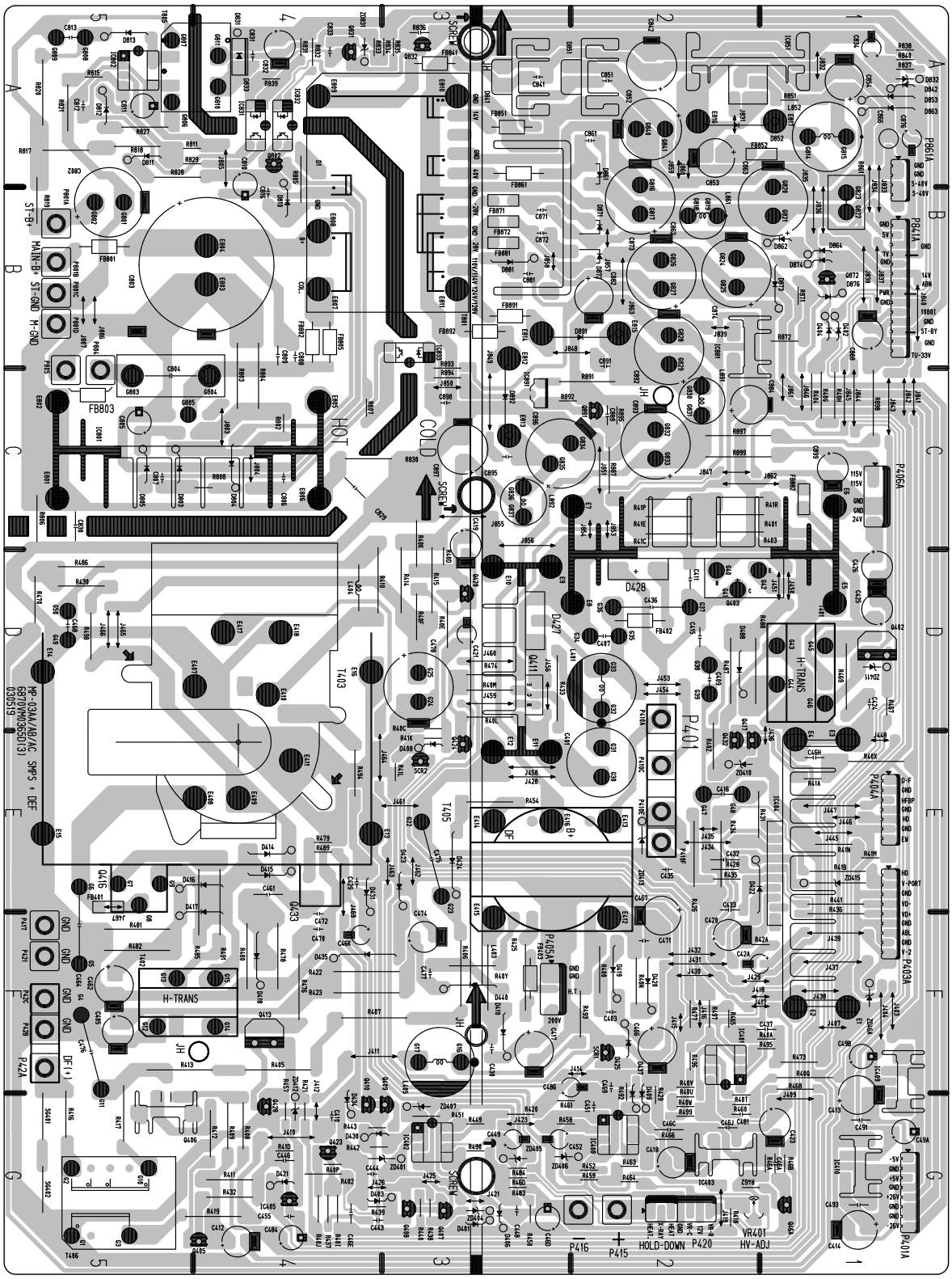
PRINTED CIRCUIT BOARD

MAIN(BOTTOM)



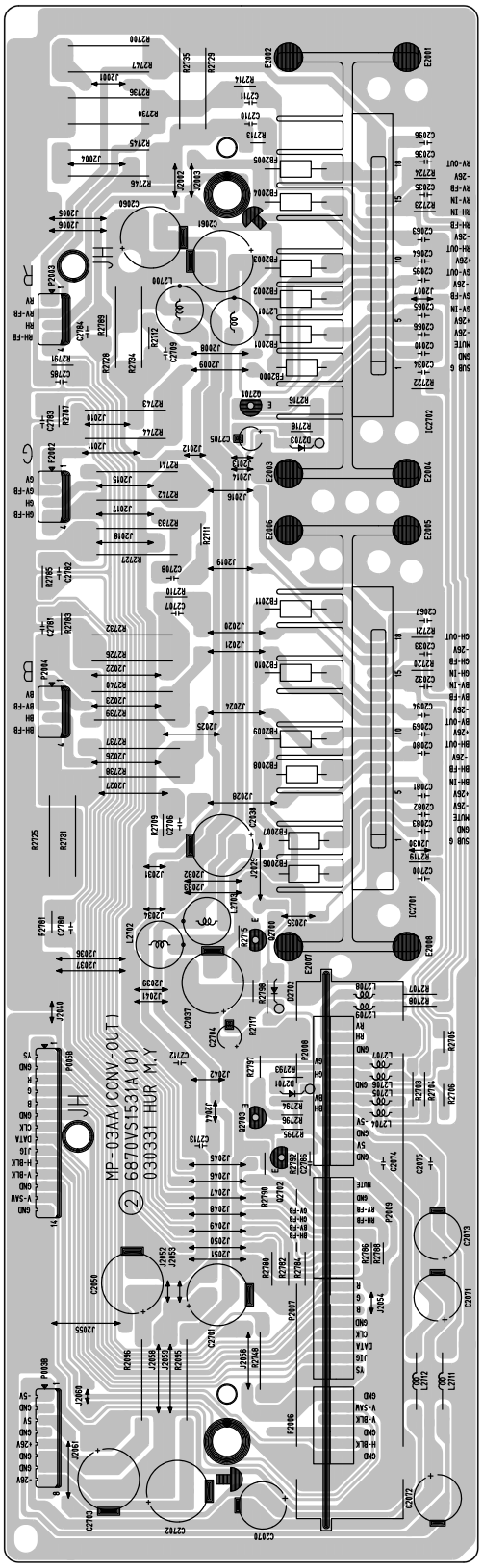
PRINTED CIRCUIT BOARD

MAIN2

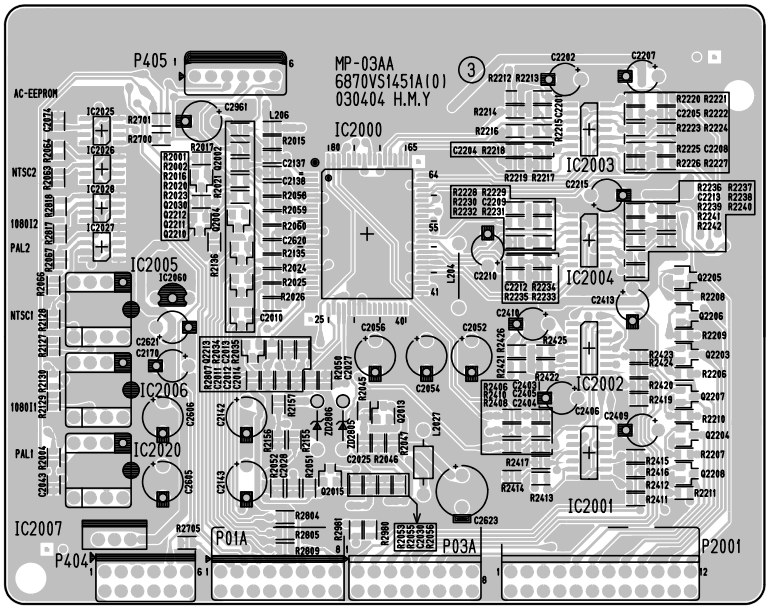


PRINTED CIRCUIT BOARD

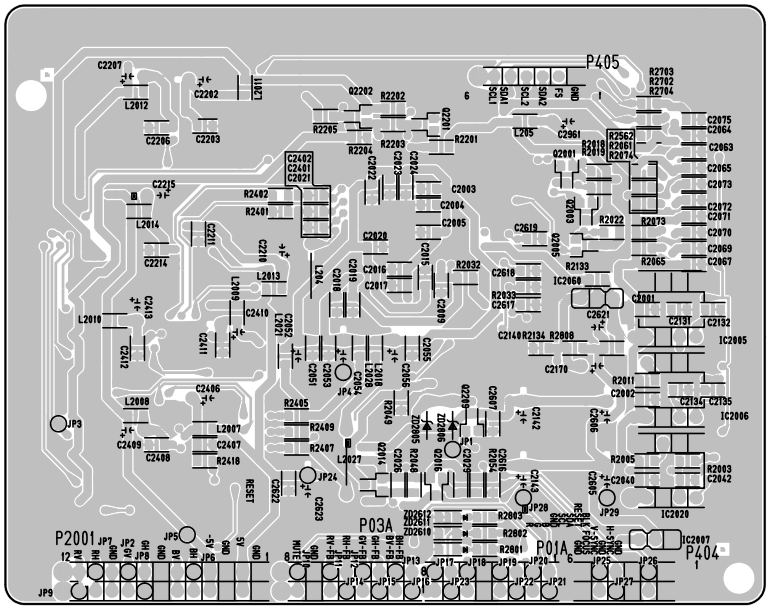
CONVERGENCE OUT



D-CON(TOP)

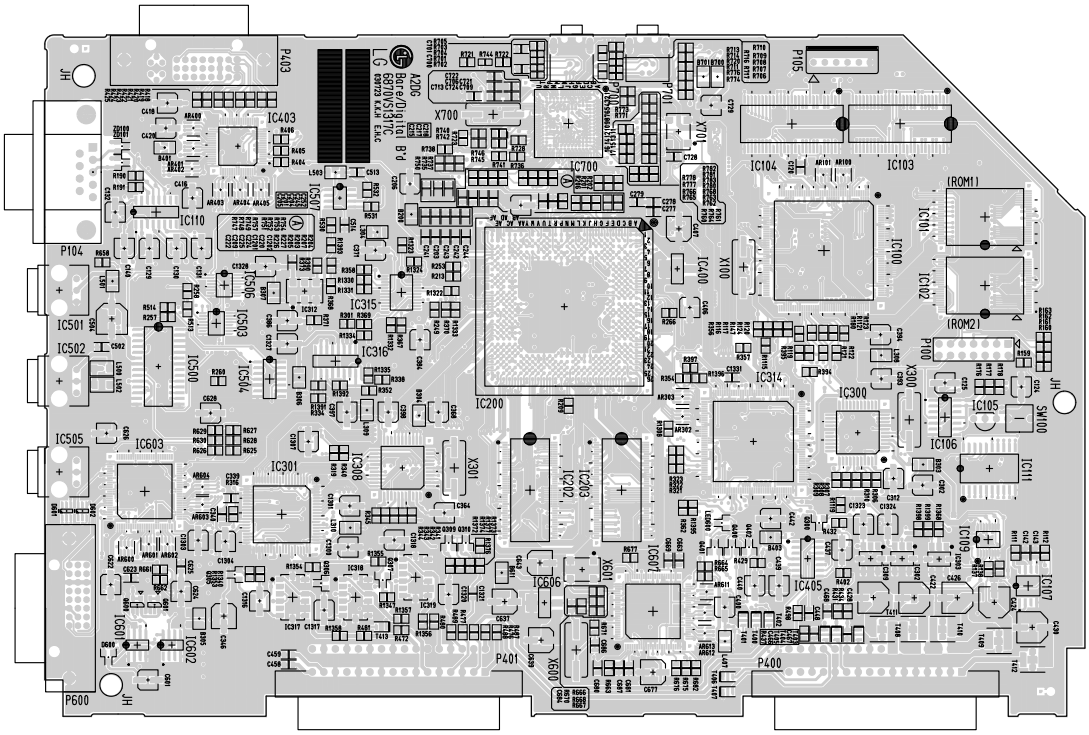


D-CON(BOTTOM)

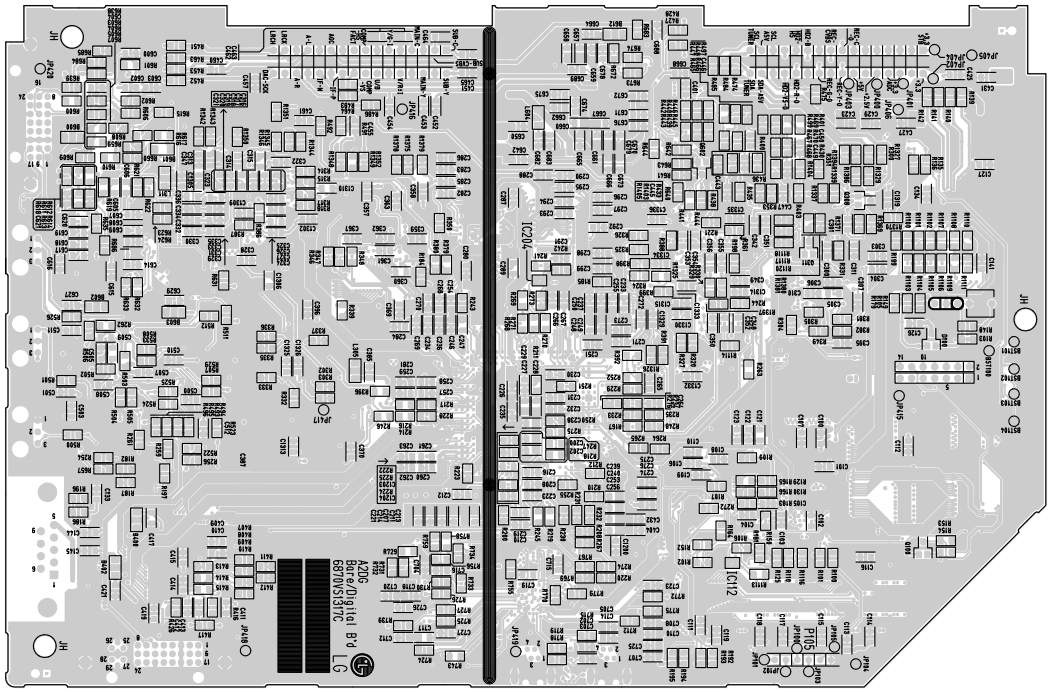


PRINTED CIRCUIT BOARD

DIGITAL(TOP)

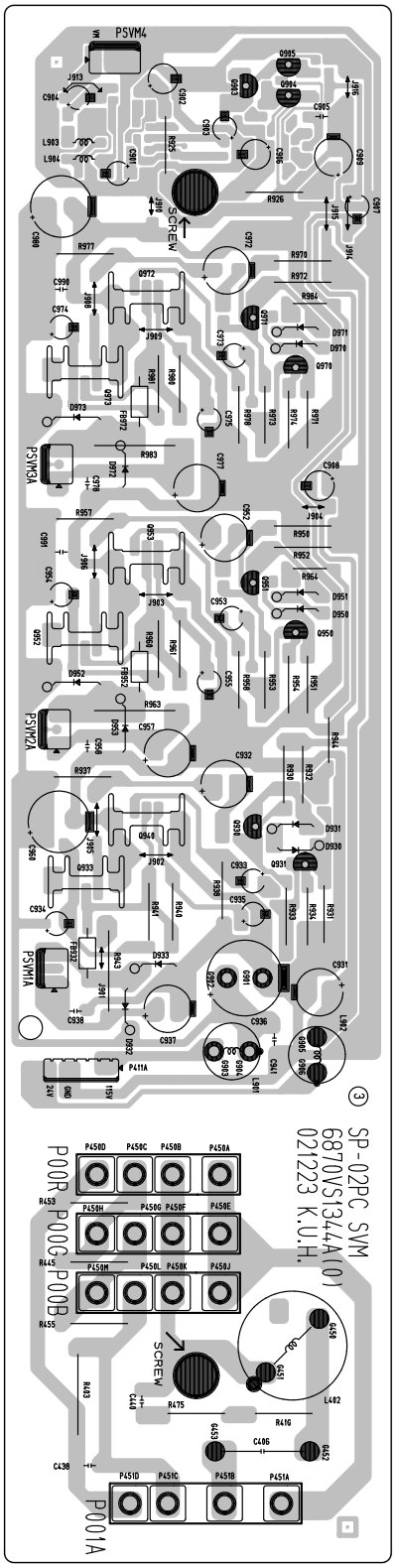


DIGITAL(BOTTOM)

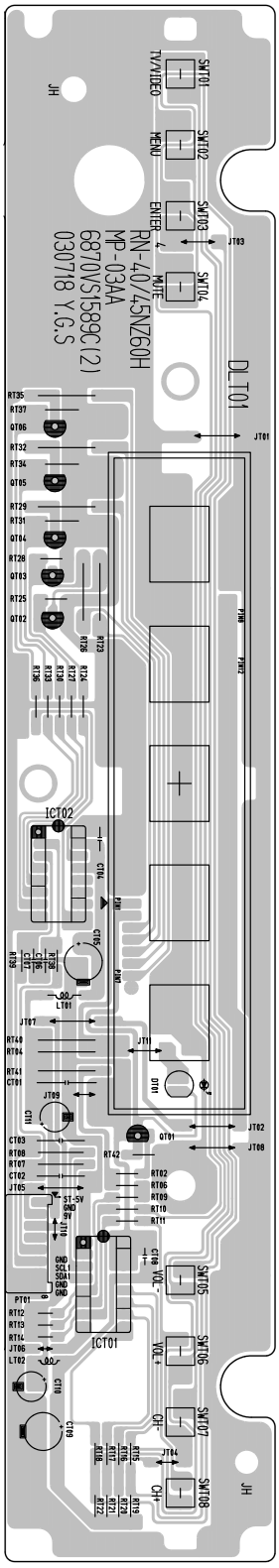


PRINTED CIRCUIT BOARD

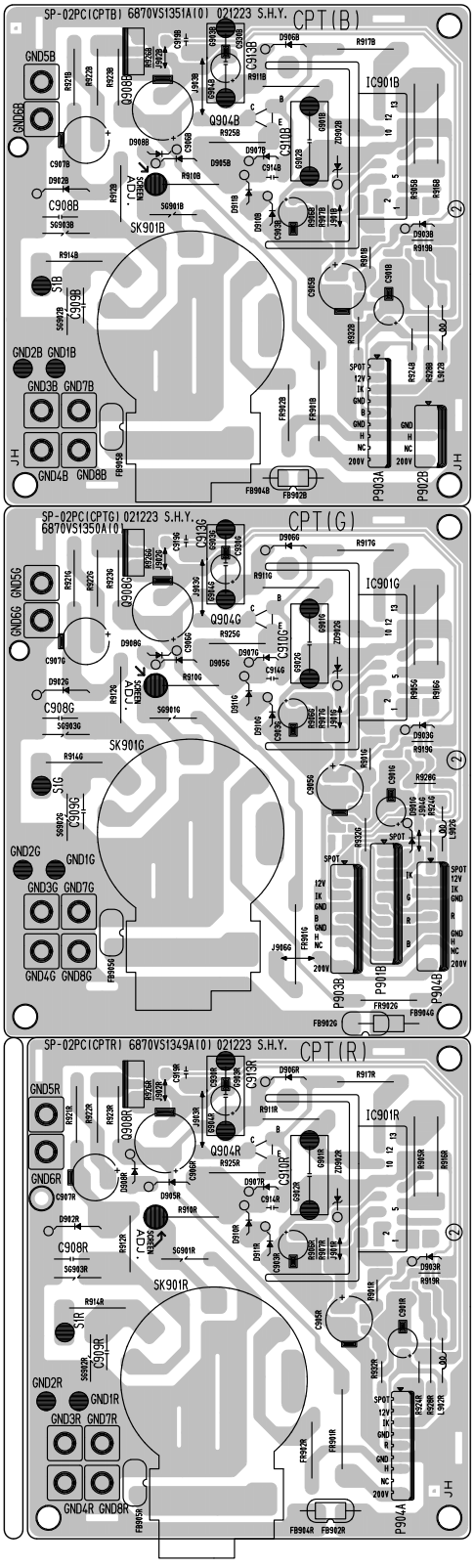
VM



CONTROL

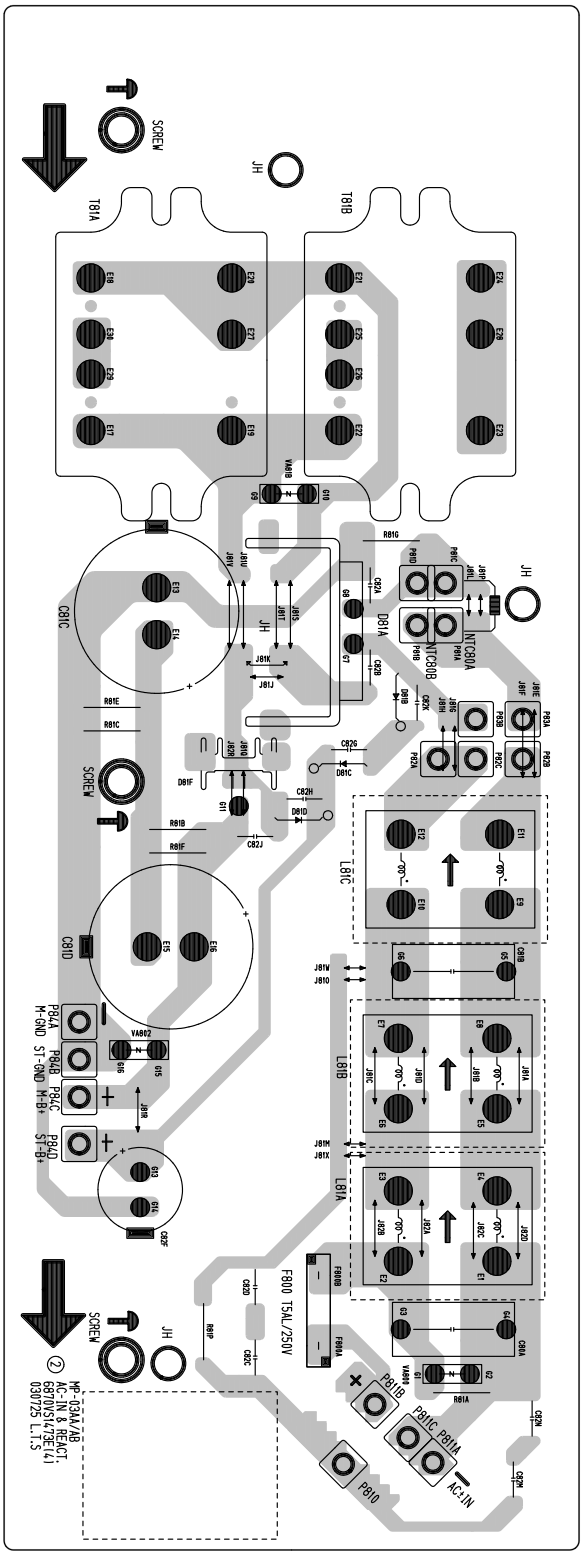


CPT

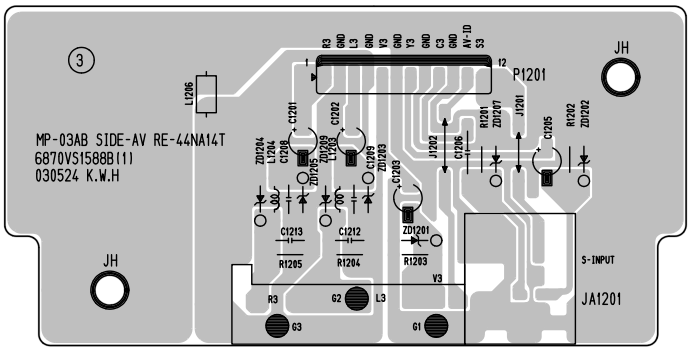


PRINTED CIRCUIT BOARD

POWER(SMPS) AC-INPUT

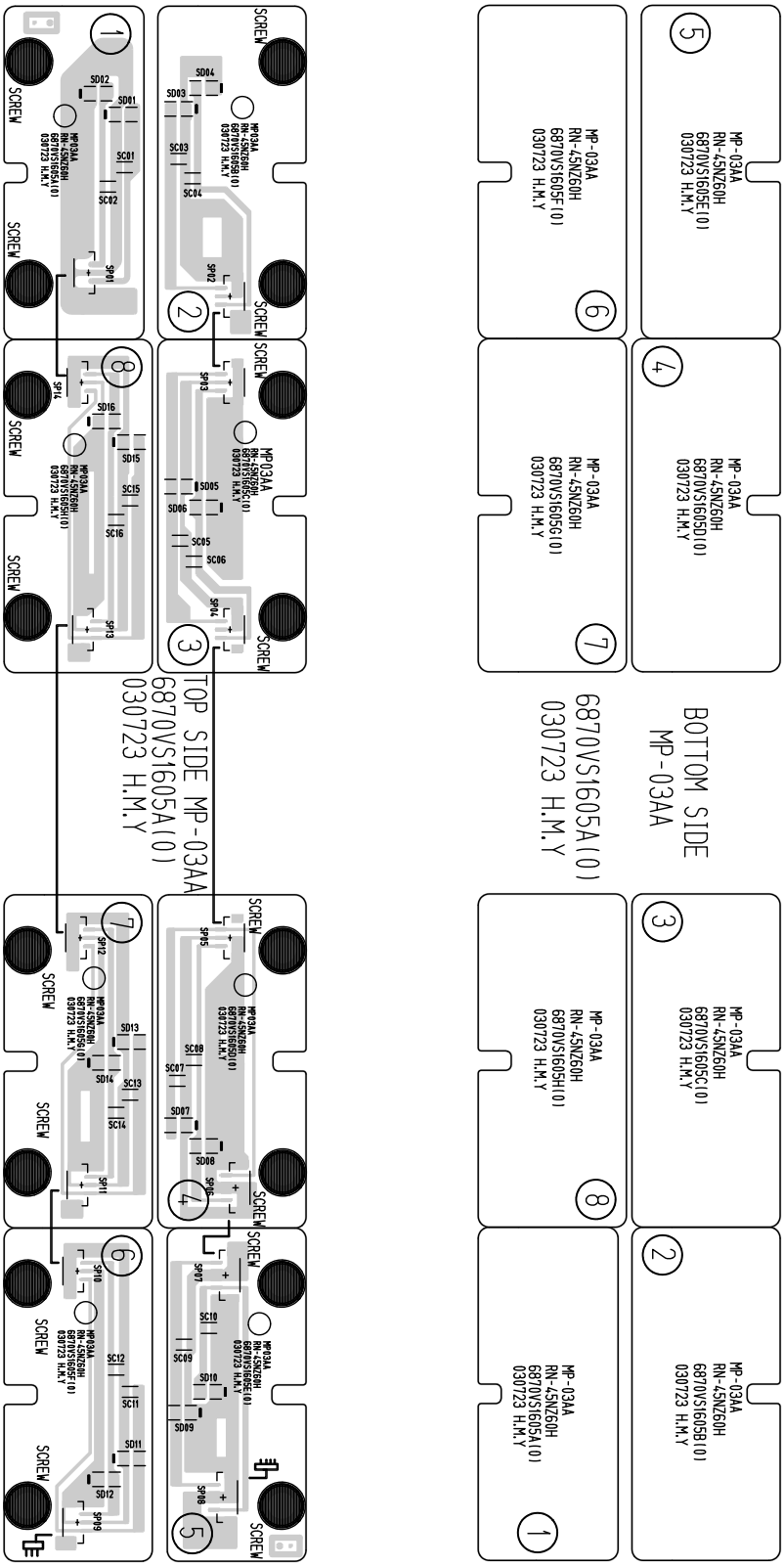


SIDE A/V



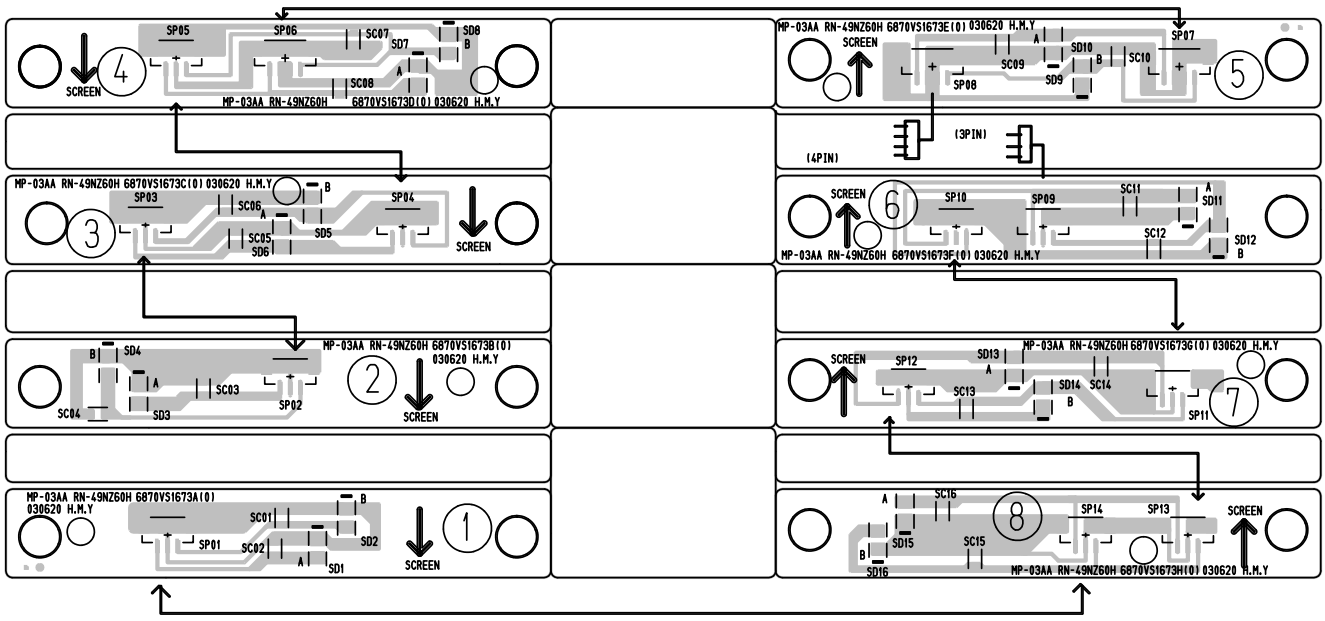
PRINTED CIRCUIT BOARD

AUTO CVG SENSOR(TOP) AUTO C/G SENSOR(BOTTOM) * 45NZ60

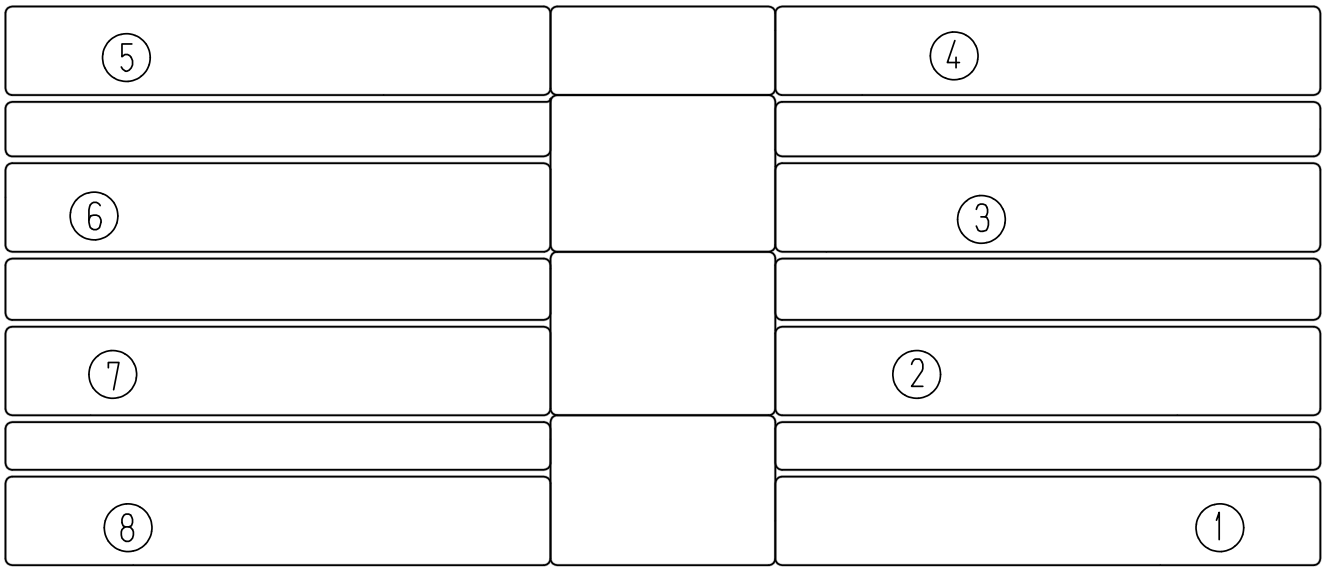


AUTO C/G SENSOR(TOP)

*** 50/57NZ60**

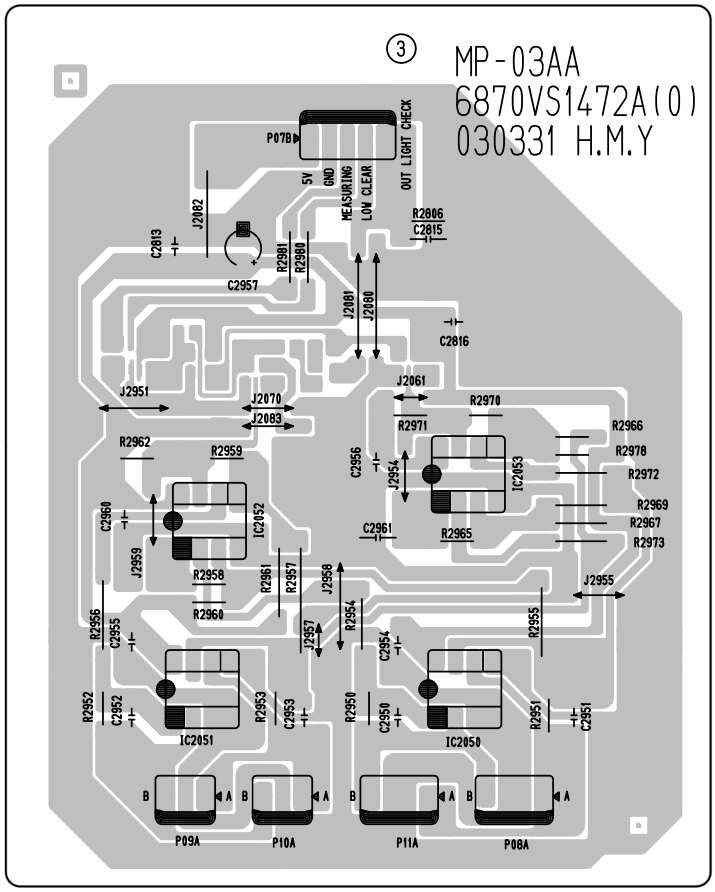


AUTO C/G SENSOR(BOTTOM)

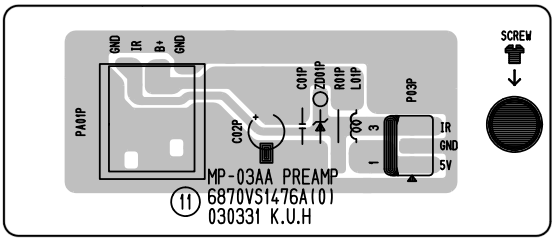


PRINTED CIRCUIT BOARD

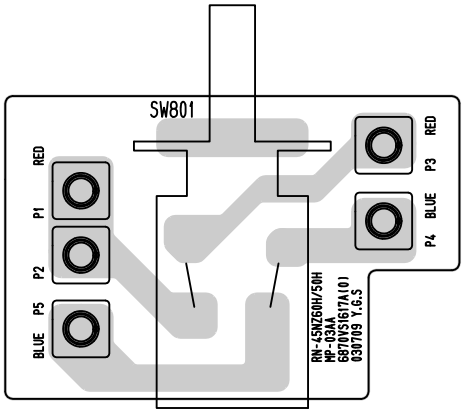
INTERFACE



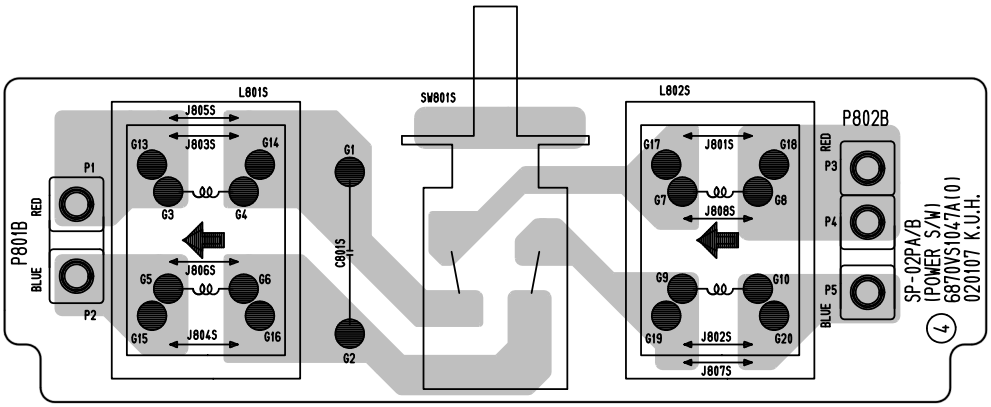
PRE AMP



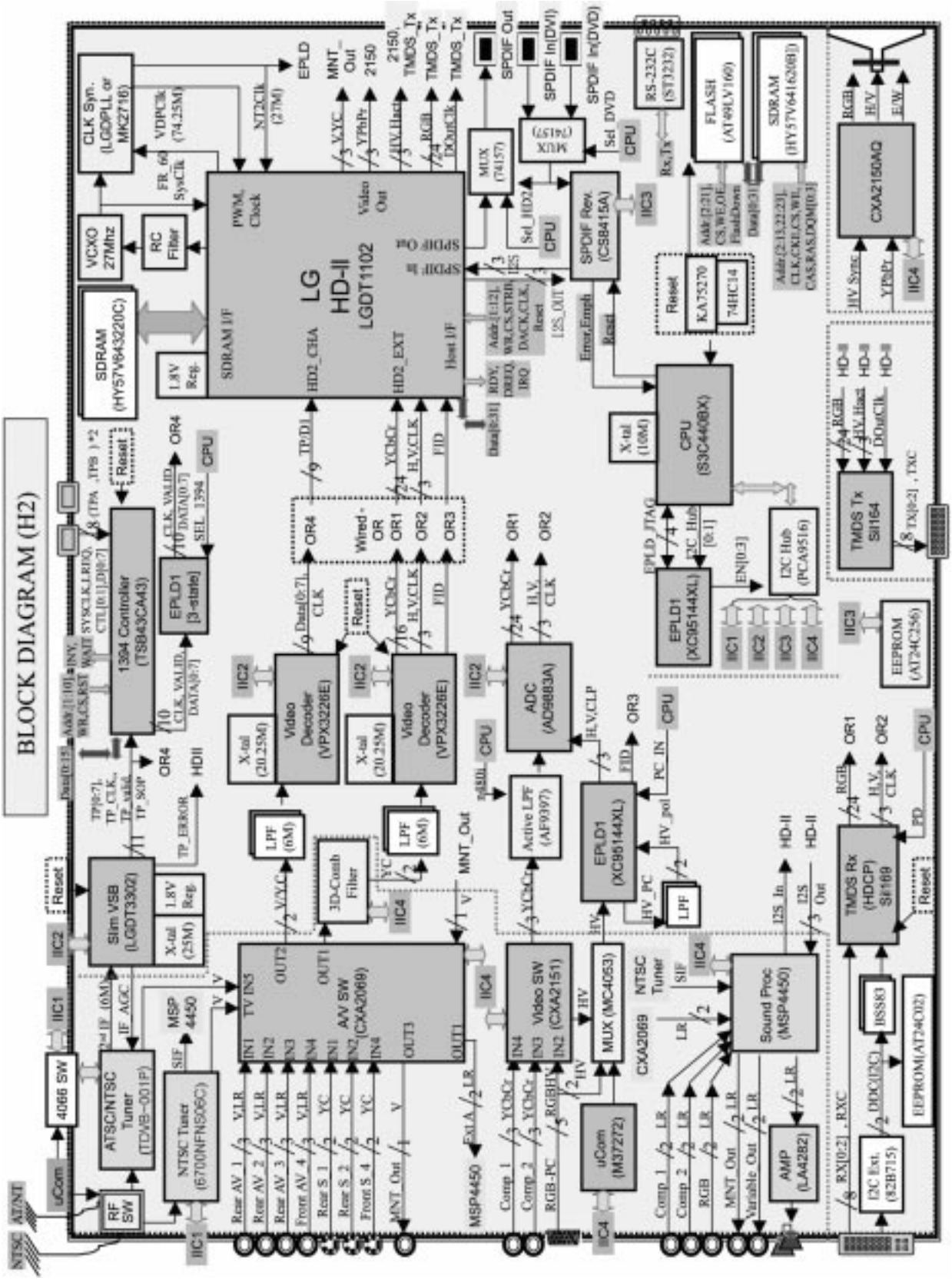
POWER S/W(45NZ60)



POWER S/W(50/57NZ60)

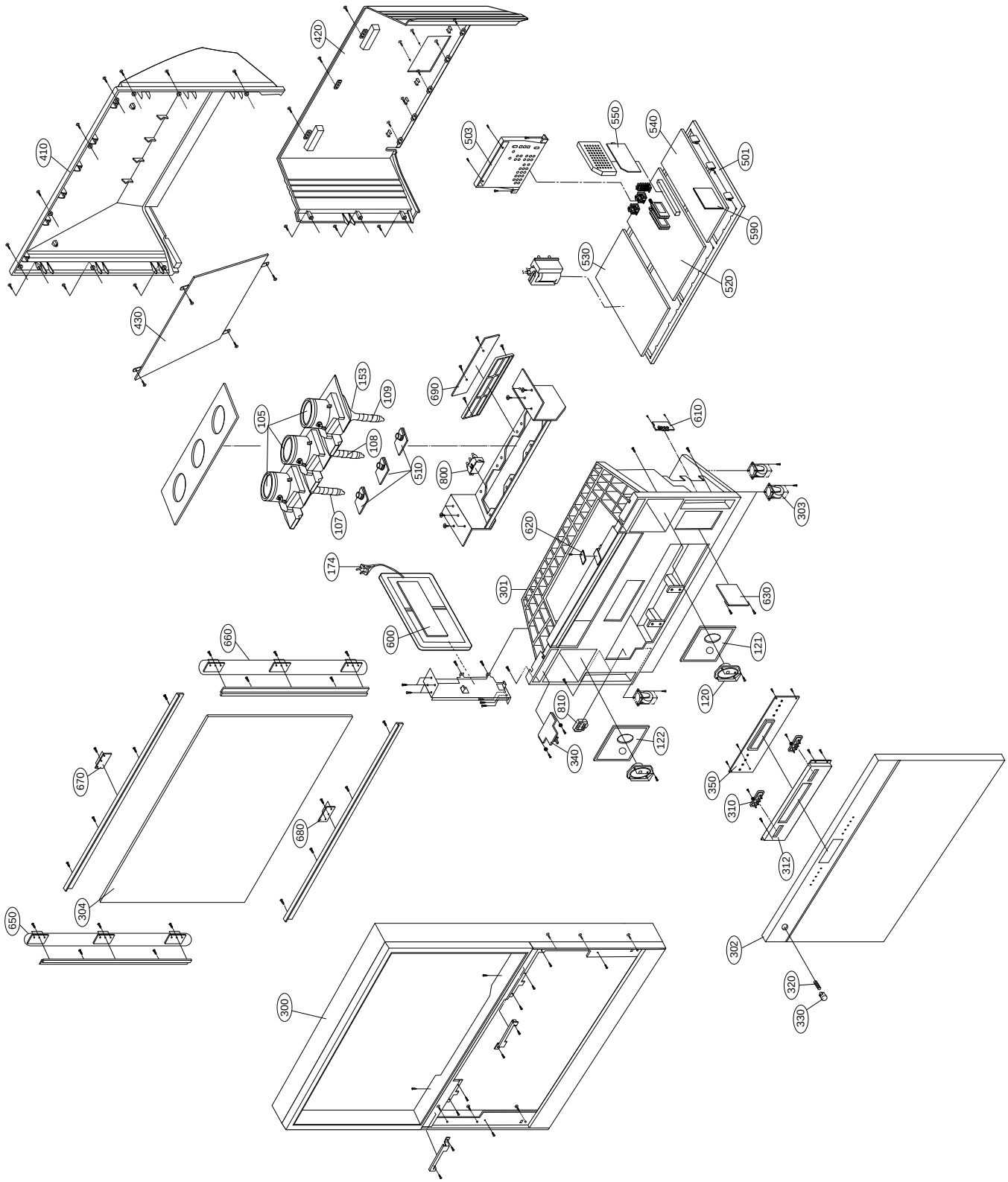


BLOCK DIAGRAM



NOTES

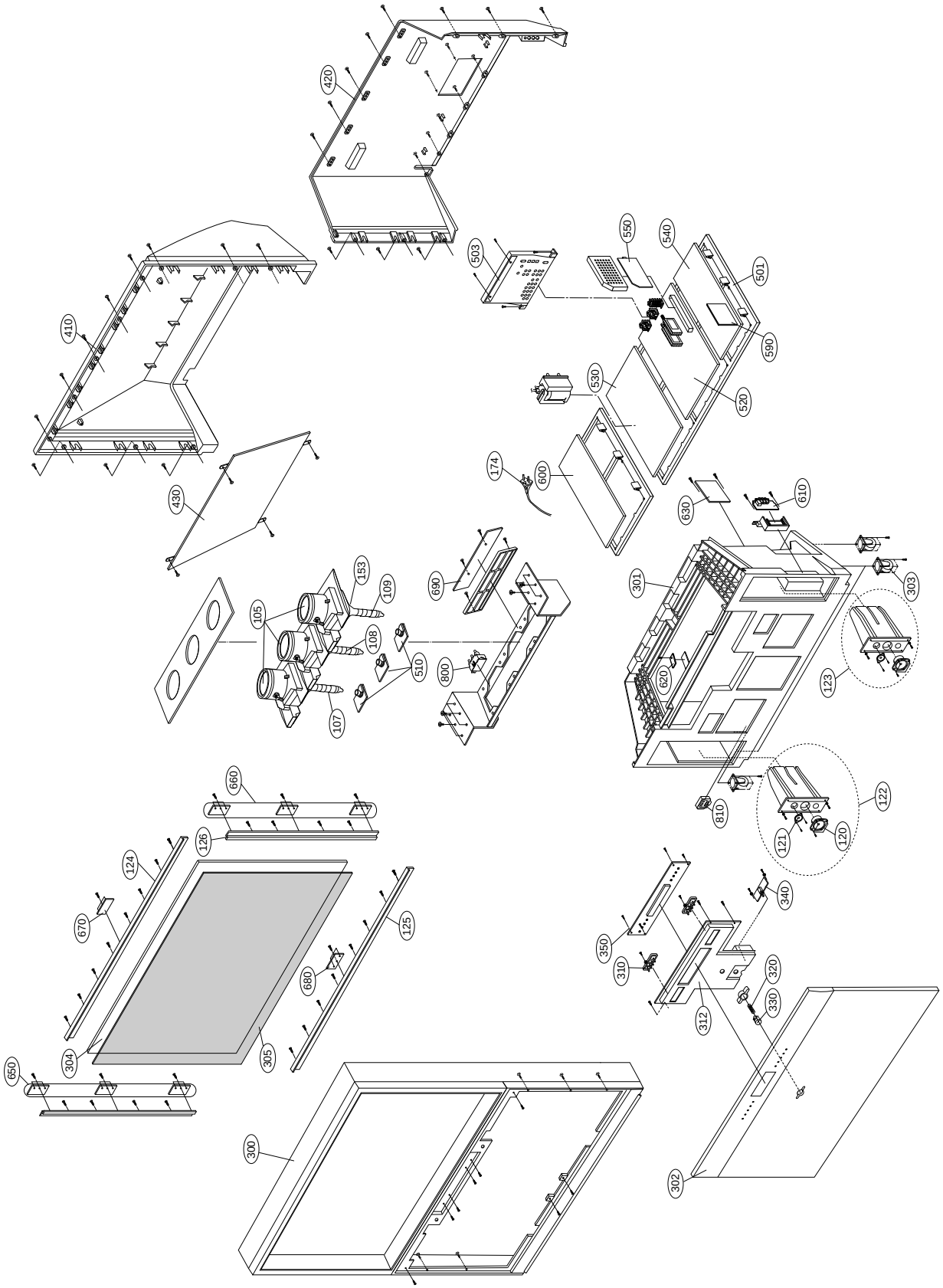
EXPLODED VIEW(R45W47)



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
105	3680V00065B	LENS,NON NON CPL D-250 LENS ASSY
107	4810V00960D	BRACKET PRT ASSY,AP03NB NON D-250 R CLENS+COUPLER+MDDA CPT RS SKD
108	4810V00960E	BRACKET PRT ASSY,AP03NB NON D-250 G CLENS+COUPLER+MDDA CPT RS SKD
109	4810V00960F	BRACKET PRT ASSY,AP03NB NON D-250 B CLENS+COUPLER+MDDA CPT RS SKD
120	120-D38E	SPEAKER,MID-RANGE LG FOSTER 8 OHM 15/25W 87DB 128X77MM
121	4810V00791D	BRACKET,SPEAKER RE-45NZ60RB MP03AB HIPS 60HR (LEFT), CKD
122	4810V00791C	BRACKET,SPEAKER RE-45NZ60RB MP03AB HIPS 60HR (RIGHT), CKD
153	6150Z-1100E	DY,2.5H 38KHZ L 400MM 07 LGPLD RN-39NZ33H 6150Z-1100B
174	6410VUH004A	POWER CORD,UL/CSA3000MM 3P HUG BLACK VOLEX CSA 3000MM
300	3091V00549D	CABINET ASSEMBLY,RU-45NZ60 NON MP03AA EXPORT LGERS
301	3091V00550D	CABINET ASSEMBLY,RU-45NZ60 NON MP03AA EXPORT LGERS
302	3211V00156J	FRAME ASSEMBLY,FRONT LOWER EXPORT LGERS
303	4778V00011B	LEG,ROLLER CASTER 3T
304	3350V00054A	SCREEN,KURARAY NON - R3 44(W) ..
310	5020V00812E	BUTTON,CONTROL RU-40NZ60 ABS, HF-380 8KEY (CKD)
312	4810V00920D	BRACKET,NON RU-45NZ60 MP03AB HIPS 51SF EXPORT LGERS, S/SILVER
320	320-062E	SPRING,KNOB
330	5020V00818E	BUTTON,POWER RU-45NZ60 ABS, AF-303S 1KEY CKD
340	6871VSMY33A	PCB ASSEMBLY,SUB PSW AP03NB PSW M/I
350	6871VSMX45A	PCB ASSEMBLY,SUB CONT MP03AA M/I CONTROL RU-40NZ60
410	3809V00384D	BACK COVER ASSEMBLY,UPPER RU-45NZ60 NON EXPORT LGERS
420	3809V00385H	BACK COVER ASSEMBLY,NON EXPORT LGERS
430	5018V00028B	MIRROR,PROJECTION MIRRORLITE Mirror R3 44(WIDE) FILM MIRROR
501	4810V00879A	BRACKET,MAIN RN-44NZ60 MP03AA HIPS 40AF .
503	4810V00868B	BRACKET,REAR AV AP03NB HIPS 60HR 3508V00475B
510	6871VSMY23A	PCB ASSEMBLY,SUB CPT AP03NB M/I DU-45NZ60
520	6871VMMR30A	PCB ASSEMBLY,MAIN AP03NB M/I
530	6871VDM912A	PCB ASSEMBLY,DEFLECTION MAIN2 AP03NB M/I DEF+SMPS DU-45NZ60
540	6871VSMY24A	PCB ASSEMBLY,SUB CVG AP03NB CONV-OUT NTSC
550	6871VSMY22A	PCB ASSEMBLY,SUB DIGITAL AP03NB M/I
590	6871VSMY25A	PCB ASSEMBLY,SUB CVG AP03NB M/I D-CON NTSC
600	6871VPMA29A	PCB ASSEMBLY,POWER SUB MP03AA AC-INPUT M/I NORTH-AMERICA
610	6871VSMW32B	PCB ASSEMBLY,SUB S/IN MP03AA M/I SIDE-AV (800MM) RN-45NZ60H
620	6871VSMV93A	PCB ASSEMBLY,SUB P/AMP AP03NA DN-39NZ40H M/I
630	6871VSMC13A	PCB ASSEMBLY,SUB INTER MP03AA CVG-INTERFACE M/I
650	6871VSMR26B	PCB ASSEMBLY,SUB AP03NB M/I SENSOR RIGHT ASSY RS SKD
660	6871VSMR26A	PCB ASSEMBLY,SUB AP03NB M/I SENSOR LEFT ASSY RS SKD
670	6871VSMR26C	PCB ASSEMBLY,SUB AP03NB M/I SENSOR TOP ASSY RS SKD
680	6871VSMR26D	PCB ASSEMBLY,SUB AP03NB M/I SENSOR BOTTOM ASSY RS SKD
690	6871VSMY26A	PCB ASSEMBLY,SUB VM AP03NB M/I DU-45NZ60
800	4410Z-A001L	FBT,4410Z-A001K 44 JW VE TYPE
810	180-836H	FOCUS PACK, 836E

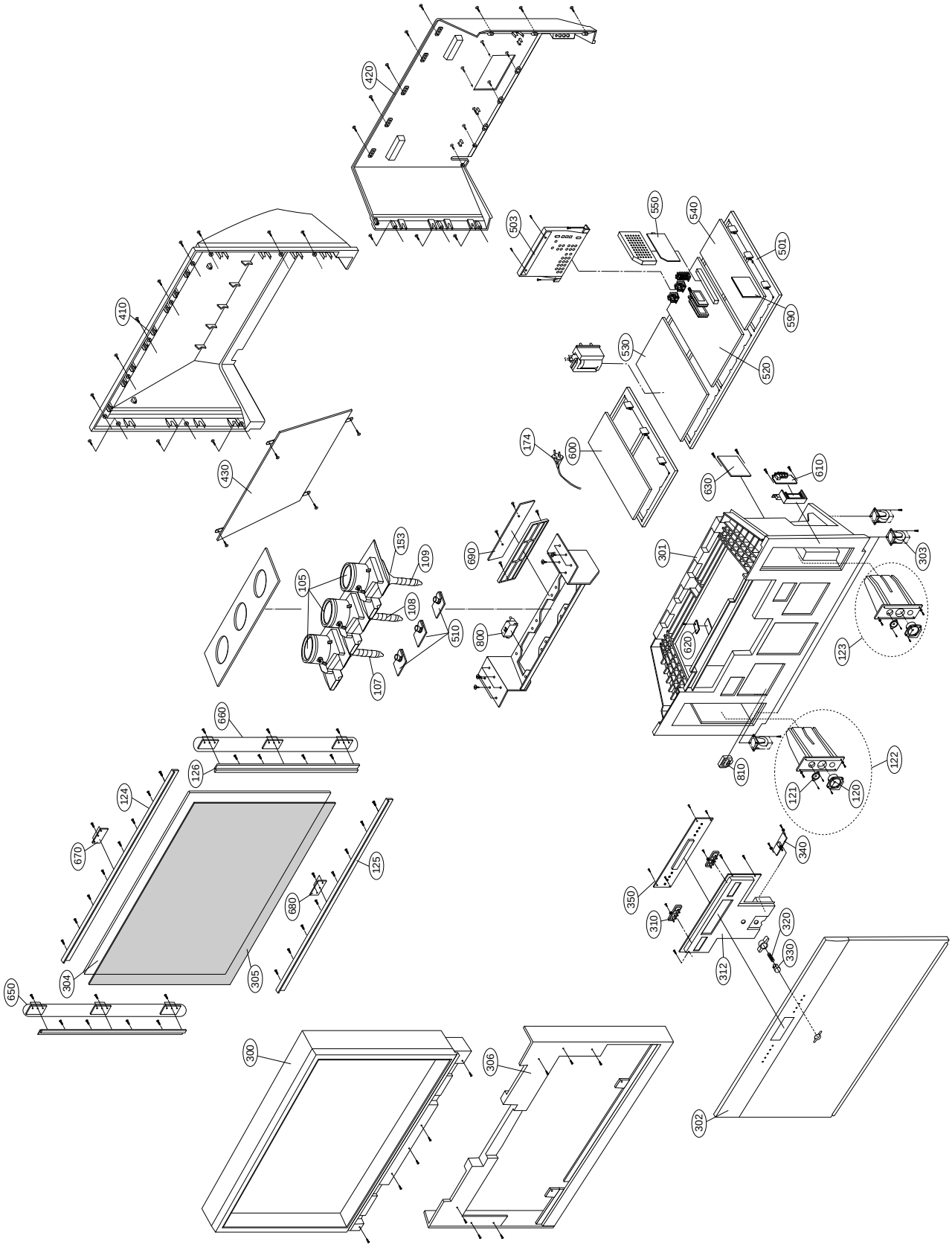
EXPLODED VIEW(R50W47)



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
105	3680V00065B	LENS,CPL D-250 LENS ASSY
107	4810V00960D	BRACKET PRT ASSY,AP03NB NON D-250 R CLENS+COUPLER+MDDA CPT RS SKD
108	4810V00960E	BRACKET PRT ASSY,AP03NB NON D-250 G CLENS+COUPLER+MDDA CPT RS SKD
109	4810V00960F	BRACKET PRT ASSY,AP03NB NON D-250 B CLENS+COUPLER+MDDA CPT RS SKD
120	6400WESX03A	SPEAKER,WOOFER C100R03K1451 ESTEC WOOFER 8 OHM 30/50W 85DB
121	120-237C	SPEAKER,FULLRANGE C060T01K145A ESTEC 8 15/20 88 . 60X60 FULLRANGE
122	6401VD0008D	SPEAKER ASSEMBLY,WOOFER(L) 6400WESX03A SKD
123	6401VD0008C	SPEAKER ASSEMBLY,WOOFER(R) 6400WESX03A SKD
124	4980V00949C	SUPPORTER,SCREEN SECC(EGI) RU-50NZ60 RS EXP CKD
125	4980V00971C	SUPPORTER,SCREEN SECC(EGI) RU-50NZ60 RS EXP CKD
126	4980V00950C	SUPPORTER,SCREEN SECC(EGI) RU-50NZ60 RS EXP CKD
153	6150Z-1100E	DY,2.5H 38KHZ L 400MM 07 LGPLD RN-39NZ33H 6150Z-1100B
174	6410VUH004A	POWER CORD,UL/CSA3000MM 3P HUG BLACK VOLEX CSA 3000MM
300	3091V00583C	CABINET ASSEMBLY,RU-50NZ60 NON MP03AA 40AF ZENITH CKD
301	3091V00B44H	CABINET ASSEMBLY,RU-50NZ60 NON MP03AA 40AF CKD
302	3211V00162G	FRAME ASSEMBLY,DU-50NZ60 LGERS
303	4778V00078A	LEG,ROLLER CASTER PROJECTION POLYURETHAN 50.8
304	3350V00041D	SCREEN,DNP NON R3 49(W) NZ60 SERIES -SS ENG(C/SKD)
305	3790V00750A	WINDOW,FILTER R3 50(W) ACRYL GLARE_NO BLACK PRINT
310	5020V00796D	BUTTON,CONTROL RU-57NZ60 ABS, AF-303S 4KEY #102, CKD
312	4810V00922B	BRACKET,CONTROL RU-57NZ60 MP03AA HIPS 40AF RS EXP. CKD
320	320-062E	SPRING,KNOB
330	5020V00743F	BUTTON,POWER RU-57NZ60 ABS, AF-303S 1KEY #102
340	6871VSMZ79A	PCB ASSEMBLY,SUB PSW AP03NB DU-50/57NZ60 NORTH AMERICA RS SKD
350	6871VSMZ80A	PCB ASSEMBLY,SUB CONT AP03NB DU-50/57NZ60 NORTH AMERICA RS SKD
410	3809V00A97C	BACK COVER ASSEMBLY,RU-50NZ60 NON 40AF RS EXP CKD
420	3809V00A98G	BACK COVER ASSEMBLY,DU-50NZ60 NON NONE
430	5018V00052A	MIRROR,PROJECTION MIRRORLITE NON R3 49(WIDE) FILM MIRROR
501	4810V00752A	BRACKET,MAIN RN-44NZ73 MP03AA HIPS 40AF .
503	4810V00868B	BRACKET,REAR AV DU-45NZ60 AP03NB HIPS 60HR 3508V00475B
510	6871VSMY23A	PCB ASSEMBLY,SUB CPT AP03NB M/I DU-45NZ60
520	6871VMMR30B	PCB ASSEMBLY,MAIN AP03NB M/I DU-50NZ60
530	6871VDM912B	PCB ASSEMBLY,POWER MAIN2 AP03NB M/I DEF+SMPS DU-50/57NZ60
540	6871VSMY24A	PCB ASSEMBLY,SUB CVG AP03NB CONV-OUT NTSC
550	6871VSMY22A	PCB ASSEMBLY,SUB DIGITAL AP03NB DU-45NZ60 M/I
590	6871VSMY25A	PCB ASSEMBLY,SUB CVG AP03NB M/I D-CON NTSC
600	6871VPMA29A	PCB ASSEMBLY,POWER SUB MP03AA AC-INPUT M/I NORTH-AMERICA
610	6871VSMZ82A	PCB ASSEMBLY,SUB S/IN AP03NB M/I SIDE-AV (1000MM) DU-50/57NZ60 RS SKD
620	6871VSMZ81A	PCB ASSEMBLY,SUB P/AMP AP03NB M/I PRE-AMP 1400MM, W/O HOLDER
630	6871VSMC13A	PCB ASSEMBLY,SUB INTER MP03AA CVG-INTERFACE M/I
650	6871VSME81E	PCB ASSEMBLY,SUB MP03AA A/C SENSOR LEFT ASSY RU-50NZ60 M/I RS SKD
660	6871VSME81F	PCB ASSEMBLY,SUB MP03AA A/C SENSOR RIGHT ASSY RU-50NZ60 M/I RS SKD
670	6871VSME81G	PCB ASSEMBLY,SUB MP03AA A/C SENSOR TOP ASSY M/I RU-50NZ60 RS SKD
680	6871VSME81H	PCB ASSEMBLY,SUB MP03AA A/C SENSOR BOTTOM ASSY M/I RU-50NZ60 RS SKD
690	6871VSMY26A	PCB ASSEMBLY,SUB VM AP03NB M/I DU-45NZ60
800	4410Z-A001L	FBT,4410Z-A001K 44 JW VE TYPE
810	180-836H	FOCUS PACK,836E

EXPLODED VIEW(R57W47)



EXPLODED VIEW PARTS LIST

No.	Part No.	Description
105	3680V00065C	LENS,CPL D-260 LENS ASSY
107	4810V00960D	BRACKET PRT ASSY,AP03NB NON D-250 R CLENS+COUPLER+MDDA CPT RS SKD
108	4810V00960E	BRACKET PRT ASSY,AP03NB NON D-250 G CLENS+COUPLER+MDDA CPT RS SKD
109	4810V00960F	BRACKET PRT ASSY,AP03NB NON D-250 B CLENS+COUPLER+MDDA CPT RS SKD
120	6400WESX03A	SPEAKER,WOOFER C100R03K1451 ESTEC WOOFER 8 OHM 30/50W 85DB
121	120-237C	SPEAKER,FULLRANGE C060T01K145A ESTEC 8 15/20 88 . 60X60 FULLRANGE
122	6401VD0008D	SPEAKER ASSEMBLY,WOOFER(L) 6400WESX03A SKD
123	6401VD0008C	SPEAKER ASSEMBLY,WOOFER(R) 6400WESX03A SKD
124	4980V00951C	SUPPORTER,SCREEN SECC(EGI) (TOP)RU-57NZ60 RS EXP CKD
125	4980V00998C	SUPPORTER,SCREEN SECC(EGI) (BOTT)RU-57NZ60 RS EXP CKD
126	4980V00952C	SUPPORTER,SCREEN SECC(EGI) (R/L)RU-57NZ60 RS EXP CKD
153	6150Z-1100E	DY,2.5H 38KHZ L 400MM 07 LGPLD RN-39NZ33H 6150Z-1100B
174	6410VUH004A	POWER CORD,UL/CSA3000MM 3P HUG BLACK VOLEX CSA 3000MM
300	3091V00584C	CABINET ASSEMBLY,RU-57NZ60.TAMZRZ3 NON MP03AA UP.RS EXP.#70B
301	3091V00B44F	CABINET ASSEMBLY,RU-57NZ60.TAMZRZ3 NON MP03AA RS EXP. CKD
302	3211V00163J	FRAME ASSEMBLY,FRONT LOWER DU-57NZ60 NON
303	4778V00078A	LEG,ROLLER CASTER PROJECTION POLYURETHAN 50.8
304	3350V00042D	SCREEN,DNP NON R3 56(W) NZ60 SERIES - SS ENG(C/SKD)
305	3790V00751A	WINDOW,FILTER R3 57(W) ACRYL GLARE_NO BLACK PRINT
306	3091V00585C	CABINET ASSEMBLY,RU-57NZ60.TAMZRZ3 NON MP03AA LOW.RS EXP.#70B.ZENITH
310	5020V00796D	BUTTON,CONTROL RU-57NZ60 ABS, AF-303S 4KEY #102, CKD
312	4810V00922B	BRACKET,CONTROL RU-57NZ60 MP03AA HIPS 40AF RS EXP. CKD
320	320-062E	SPRING,KNOB
330	5020V00743F	BUTTON,POWER RU-57NZ60 ABS, AF-303S 1KEY #102
340	6871VSMZ79A	PCB ASSEMBLY,SUB PSW AP03NB DU-50/57NZ60 NORTH AMERICA RS SKD
350	6871VSMZ80A	PCB ASSEMBLY,SUB CONT AP03NB DU-50/57NZ60 NORTH AMERICA RS SKD
410	3809V00A86C	BACK COVER ASSEMBLY,RU-57NZ60 NON SKD
430	5018V00073B	MIRROR,PROJECTION AHSUNG 0000 RU-57NZ60 CKD FILM MIRROR
503	4810V00868B	BRACKET,REAR AV DU-45NZ60 AP03NB HIPS 60HR 3508V00475B
510	6871VSMY23A	PCB ASSEMBLY,SUB CPT AP03NB M/I DU-45NZ60
520	6871VMMR30C	PCB ASSEMBLY,MAIN AP03NB M/I DU-57NZ60
530	6871VDM912B	PCB ASSEMBLY,POWER MAIN2 AP03NB M/I DEF+SMPS DU-50/57NZ60
540	6871VSMY24A	PCB ASSEMBLY,SUB CVG AP03NB CONV-OUT NTSC
550	6871VSMY22A	PCB ASSEMBLY,SUB DIGITAL AP03NB DU-45NZ60 M/I
590	6871VSMY25A	PCB ASSEMBLY,SUB CVG AP03NB M/I D-CON NTSC
600	6871VPMA29A	PCB ASSEMBLY,POWER SUB MP03AA AC-INPUT M/I NORTH-AMERICA
610	6871VSMZ82A	PCB ASSEMBLY,SUB S/IN AP03NB M/I SIDE-AV (1000MM) DU-50/57NZ60 RS SKD
620	6871VSMZ81A	PCB ASSEMBLY,SUB P/AMP AP03NB M/I PRE-AMP 1400MM, W/O HOLDER
630	6871VSMC13A	PCB ASSEMBLY,SUB INTER MP03AA CVG-INTERFACE M/I
650	6871VSME81A	PCB ASSEMBLY,SUB MP03AA A/C SENSOR LEFT ASSY M/I RU-57NZ60 RS SKD
660	6871VSME81B	PCB ASSEMBLY,SUB MP03AA A/C SENSOR RIGHT ASSY M/I RU-57NZ60 RS SKD
670	6871VSME81C	PCB ASSEMBLY,SUB MP03AA A/C SENSOR TOP ASSY M/I RU-57NZ60 RS SKD
680	6871VSME81D	PCB ASSEMBLY,SUB MP03AA A/C SENSOR BOTTOM ASSY M/I RU-57NZ60 RS SKD
690	6871VSMY26A	PCB ASSEMBLY,SUB VM AP03NB M/I DU-45NZ60
800	4410Z-A001L	FBT,4410Z-A001K 44 JW VE TYPE
810	180-836H	FOCUS PACK,836E

REPLACEMENT PARTS LIST

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;
CC, CX, CK, CN : Ceramic
CQ : Polyestor
CE : Electrolytic
RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RF : Fusible

RUN DATE : 2004.3.9

LOCA. NO	PART NO	DESCRIPTION
		IC
D861	0ISK100300A	SLA1003 SIP12 (RU4AM+FMLG12S) LF816
IC10	0ISH092100B	PQ09RD21 4SIP ST REGULATOR
IC100	0IMCRSS016A	S3C44BOX01EDRO LQFP160 TRAY CPU
IC1001	0ISG111733B	LD1117V33C 3SIP ST REGULATOR
IC1002	0IMMRNE002A	UPD64083GF3BA 100 QFP ST 3D
IC1003	0ISG111725B	LD1117V25 3 SIP ST REGULATOR
IC101	0IMMRAL016A	COPY AT49LV16090TI 16MBIT 48P
IC101	0ISJ156612A	SC15661T2.5TR 3P TO2203L
IC101	0ISH323422A	PQ3RF23 4P(TO220) 3.3V
IC102	0IMMRAL016A	COPY AT49LV16090TI 16MBIT 48P
IC103	0IMMRHY001F	HY57V641620HGTH 54P 64M
IC104	0IMMRHY001F	HY57V641620HGTH 54P 64M
IC104	0IKE780900M	KIA7809API TO220 ST 3P 9V
IC105	0IMCRKE005A	KIA7029AP KEC TO92, 3P TP 2.9V
IC106	0IPH741400E	74HC14D 14SOP TP SHITTER TRIGGER
IC107	0IAL242561B	AT24C256W10SI2.7V 8P
IC109	0IMCRPH026A	PCA9516PW 16P
IC110	0IMCRSG010A	ST3232CDR SOP16 RS232
IC12	0IKE780500Q	KIA7805API 3P TO220 ST REGULATOR 5V
IC1201	0ISO206900A	CXA2069Q QFP64 BK I2C BUS AV S/W
IC13	0ISH052100C	PQ05RD21 4SIP ST REGULATOR
IC14	0ISH052100C	PQ05RD21 4SIP ST REGULATOR
IC15	0IZZVA0090E	M37272E8A(OTP) DIP 42P
“(50”)	0IZZVA0090F	M37272E8A(OTP) DIP 42P
“(57”)	0IZZVA0090G	M37272E8A(OTP) DIP 42P
IC16	0ISH052100C	PQ05RD21 4SIP ST REGULATOR
IC1601	0ISS455880A	KA4558D 8SOP OP AMP
IC17	0IFA754207A	KA75420ZTA 3P,TO92 TP 4.2V
IC18	0IFA754207A	KA75420ZTA 3P,TO92 TP 4.2V
IC19	0IMCRAL006A	AT24C16AN10SI2.7 8P SOIC R/TP EEPROM
IC20	0IKE780900M	KIA7809API TO220 ST 3P 9V
IC200	0ICTMLG009A	LGDT1102 HD2 SBGA432PIN
IC2000	0ICTMSG001A	STV2050A 80PIN CONVERGENCE
IC2001	0IPRPFA004B	KA2901D 14P SOP TP COMPARATOR
IC2002	0IPRPFA004B	KA2901D 14P SOP TP COMPARATOR
IC2003	0ITI347000A	LF347D 14P
IC2004	0ITI347000A	LF347D 14P
IC2005	0IAL241610B	AT24C16A10PI2.7 8PIN
IC2007	0ISG111733B	LD1117V33C 3SIP ST REGULATOR
IC201	0IMCRSO008A	CXA2151Q SONY 48P
IC202	0IMMRHY033A	HY57V643220C(L)T6 86P 64M
IC202	0INA562300A	CLC5623IMX 14P TRIPLE VIDEO AMP
IC2021	0IPRPTO002A	TC7S14F(T5L,T) 5P
IC2022	0IPRPTO003A	TC7SZ08F 5P
IC2023	0IPRPTO004A	TC7W74F 8P
IC2025	0IMCRAL003C	AT24C16410SI2.7 8P

LOCA. NO	PART NO	DESCRIPTION
IC2025	0IPRPTO002A	TC7S14F(T5L,T) 5P
IC2026	0IMCRAL003C	AT24C16410SI2.7 8P
IC203	0IMMRHY033A	HY57V643220C(L)T6 86P 64M
IC2050	0IMCRNS003A	LMC6482IN 8P DIP BK I/V CONVERTER
IC2051	0IMCRNS003A	LMC6482IN 8P DIP BK I/V CONVERTER
IC2052	0ISS290300A	KA2903 8P,DIP BK DUAL COMPARATOR
IC2053	0ISS290300A	KA2903 8P,DIP BK DUAL COMPARATOR
IC2060	0IFA752700A	KA75270Z 3 TP RESET IC MC007
IC21	0IKE780500Q	KIA7805API 3P TO220 ST REGULATOR 5V
IC22	0IMI623200B	M62320FP 16P
IC23	0IMCRAL003B	AT24C16410PI2.7 8P
IC2701	0ISA392120A	STK392120 18P
IC2702	0ISA392120A	STK392120 18P
IC300	0ILNRMN005A	VPX3226E 44 VIDEO PIXEL DECODER
IC301	0IMCRAD002A	AD9883AKST110 80P DIGITAL
IC308	0ILNRMN005A	VPX3226E 44 VIDEO PIXEL DECODER
IC314	0IMCRXL004A	XC95288XL10TQ144C 144P
IC315	0ICTMLG013A	LGDT1901A LG IC 24P
IC316	0IMCRCY002A	CY2309SC1HT 16P
IC400	0IMCRSJ001A	SC1565IST1.8 3P
IC401	0IKE358000A	KIA358P DIP8 DUAL OPAMP BK
IC402	0ISS393000G	KA393 COMPARATOR 8DIP BK OP AMP
IC403	0IKE781200P	KIA7812API TO220 ST 3P 12V
IC404	0ISA784600A	7846 SIP,10P BK VOUT IC
IC405	0INA562300A	CLC5623IMX 14P
IC405	0IFA754207A	KA75420ZTA 3P,TO92 TP 4.2V
IC408	0IKE358000A	KIA358P DIP8 DUAL OPAMP BK
IC409	0ISS790500C	KA7905 TO220 BK REGULATOR
IC410	0IKE780500Q	KIA7805API 3P TO220 ST REGULATOR 5V
IC500	0ICB841500D	CS8415ARCSR 28PIN AUDIO DIR REV.A2
IC500	0IMCRSO007A	CXA2150Q SONY 64P
IC501	0ISH122100B	PQ12RD21 4SIP ST REGULATOR
IC502	0ISS393000G	KA393 COMPARATOR 8DIP BK OP AMP
IC503	0ITO741570C	TC74LCX157FT 16P
IC504	0IMCRFA014A	74F04SCX 14P SOIC R/TP HEX INVERTER
IC504	0IKE780500Q	KIA7805API 3P TO220 ST REGULATOR 5V
IC506	0ITO741570C	TC74LCX157FT 16P
IC601	0IMMRAL014B	AT24C02N10SI2.7 8P
IC601	0IKE780500Q	KIA7805API 3P TO220 ST REGULATOR 5V
IC602	0IPH827150A	P82B715T 8SOP R/TP IIC EXTENDER
IC602	0IMCRMN012A	MSP4450G QA B8 80P MULTI SOUND
IC603	0IMCRS5003A	SIL169 CL100 100P
IC606	0IMCRSJ001A	SC1565IST1.8 3P SOT223
IC607	0ICTMLG014A	LGDT3302 LG IC 100P
IC801	0ISK665813A	STRF6658B(LF1352) 5PIN
IC802	0IPMGSK003A	STRA6351 8 DIP ST SMPS 1 CHIP
IC831	0ILI817000G	LTV817MVB 4P
IC832	0ILI817000G	LTV817MVB 4P

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
IC833	0ILI817000G	LTV817MVB 4P
IC851	0IMO257633A	LM2576TV3.3 5PIN
IC881	0IKE782400C	KIA7824API 3 ST REGULATOR .
IC891	0ISK110000A	SE110N(LF12) 3P 110V ERROR AMP
IC901B	0IPH612000B	TDA6120Q/N2 13P VIDEO OUT AMP
IC901G	0IPH612000B	TDA6120Q/N2 13P VIDEO OUT AMP
IC901R	0IPH612000B	TDA6120Q/N2 13P VIDEO OUT AMP
ICT01	0IMCRMI002A	M62320P 16DIP ST I/O EXPANDER
ICT02	0IMCRMI002A	M62320P 16DIP ST I/O EXPANDER
ICX601	0IMCRNS006A	LM4765T 15P AUDIO POWER AMP 30W
SD01	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD02	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD03	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD04	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD05	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD06	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD07	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD08	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD09	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD10	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD11	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD12	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD13	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD14	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD15	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
SD16	0IPRPTD001A	BCS5030G1 TDK 2P SENSOR
TRANSISTOR		
Q100	0TR102008AA	KRA102S
Q1001	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1002	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1003	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1004	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1005	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1006	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1007	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1008	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1009	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1010	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1011	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1012	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1013	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1014	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1015	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1016	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1017	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q102	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q104	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q106	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q107	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q108	0TR387500AA	CHIP 2SC3875S(ALY) KEC

LOCA. NO	PART NO	DESCRIPTION
Q109	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q11	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q12	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1201	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1202	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1203	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1204	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1205	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1206	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1207	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q1208	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1209	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1210	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1211	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q13	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1606	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1607	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1608	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1609	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q1610	0TR102008AA	KRA102S
Q2001	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2002	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2003	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2004	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2005	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2013	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2014	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2015	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2016	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q206	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q207	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q208	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q209	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q210	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q211	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q212	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q213	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q215	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2201	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2202	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2203	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2204	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2205	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2206	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2207	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2208	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2209	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q2210	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2211	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2212	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q2213	0TR150400BA	CHIP 2SA1504S(ASY) KEC

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
Q2700	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
Q2701	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
Q2702	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
Q2703	0TR126609AA	KTA1266Y(KTA1015) TO92 50V 150MA
Q305	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q306	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q307	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q308	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q309	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q310	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q311	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q400	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q401	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q402	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q402	0TF630000CB	IRFS630B ST TO220F 200V 6.5A
Q403	0TRTH10007A	2SC5858 TO3P VCBO 1700V IC 22A
Q405	0TR126609AA	KTA1266Y(KTA1015) TO92 50V 150MA
Q406	0TRFC10001A	KSC5042FYDTU ST TO220F 1500V 100MA
Q407	0TR126609AA	KTA1266Y(KTA1015) TO92 50V 150MA
Q408	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
Q409	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
Q410	0TR126609AA	KTA1266Y(KTA1015) TO92 50V 150MA
Q411	0TR205900AB	KTD2059Y TO220IS KEC
Q413	0TF630000CB	IRFS630B ST TO220F 200V 6.5A
Q416	0TR187900AA	2SD1879
Q417	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
Q420	0TR421009CB	BF421L(AMMO)TO92
Q423	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
Q424	0TR126609AA	KTA1266Y(KTA1015) TO92 50V 150MA
Q428	0TR322709AA	KTC3227Y,TP(KTC1627A),KEC
Q432	0TR126609AA	KTA1266Y(KTA1015) TO92 50V 150MA
Q433	0TF630000CB	IRFS630B ST TO220F 200V 6.5A
Q500	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q501	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q502	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q503	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q504	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q505	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q506	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q507	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q508	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q509	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q510	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q511	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q512	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q600	0TR830009BA	BSS83
Q601	0TR830009BA	BSS83
Q602	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q603	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q604	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q605	0TR150400BA	CHIP 2SA1504S(ASY) KEC

LOCA. NO	PART NO	DESCRIPTION
Q606	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q607	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q700	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q701	0TR322709AA	KTC3227Y,TP(KTC1627A),KEC
Q702	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q703	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q705	0TR322709AA	KTC3227Y,TP(KTC1627A),KEC
Q802	0TR322709AA	KTC3227Y,TP(KTC1627A),KEC
Q831	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
Q832	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
Q872	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
Q891	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
Q901	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q901B	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q901G	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q901R	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q902	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q902B	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q902G	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q902R	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q903	0TR322709AA	KTC3227Y,TP(KTC1627A),KEC
Q903G	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q904	0TR322709AA	KTC3227Y,TP(KTC1627A),KEC
Q904B	0TR148000AA	2SA1480E TO126 HN64A10
Q904G	0TR148000AA	2SA1480E TO126 HN64A10
Q904R	0TR148000AA	2SA1480E TO126 HN64A10
Q905	0TR127409AB	KTA1274Y TO92L TP KEC
Q905G	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q906G	0TR387500AA	CHIP 2SC3875S(ALY) KEC
Q907B	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q907G	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q907R	0TR150400BA	CHIP 2SA1504S(ASY) KEC
Q908B	0TR437000BA	KTC4370AY TO220IS KEC
Q908G	0TR437000BA	KTC4370AY TO220IS KEC
Q908R	0TR437000BA	KTC4370AY TO220IS KEC
Q930	0TR322709AA	KTC3227Y,TP(KTC1627A),KEC
Q931	0TR127409AB	KTA1274Y TO92L TP KEC
Q933	0TR153500AA	2SA1535A TO220 180V
Q940	0TR394400AA	2SC3944A TO220 180V
Q950	0TR127409AB	KTA1274Y TO92L TP KEC
Q951	0TR322709AA	KTC3227Y,TP(KTC1627A),KEC
Q952	0TR153500AA	2SA1535A TO220 180V
Q953	0TR394400AA	2SC3944A TO220 180V
Q970	0TR127409AB	KTA1274Y TO92L TP KEC
Q971	0TR322709AA	KTC3227Y,TP(KTC1627A),KEC
Q972	0TR394400AA	2SC3944A TO220 180V
Q973	0TR153500AA	2SA1535A TO220 180V
QT01	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
QT02	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
QT03	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
QT04	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
QT05	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
QT06	0TR319809AA	KTC3198(KTC1815) TO92 50V 150MA
		DIODE
D1	0DD200009AH	RU2AMV(1) TP SANKEN
D100	0DD184009AA	KDS184S CHIP 85V 300MA
D2701	0DS113379BA	1SS133 T72 DO34 90V
D2702	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D2703	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D2801	0DD184009AA	KDS184S CHIP 85V 300MA
D401	0DS113379BA	1SS133 T72 DO34 90V
D402	0DS113379BA	1SS133 T72 DO34 90V
D403	0DS113379BA	1SS133 T72 DO34 90V
D404	0DS113379BA	1SS133 T72 DO34 90V
D406	0DS113379BA	1SS133 T72 DO34 90V
D409	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D410	0DD200009AH	RU2AMV(1) TP SANKEN
D414	0DR150509BA	PR1505G 250NSEC 5UA
D415	0DR150509BA	PR1505G 250NSEC 5UA
D416	0DD340009EA	BYW34 TP (2A/400V) TELEFUNKEN
D417	0DD340009EA	BYW34 TP (2A/400V) TELEFUNKEN
D418	0DD340009EA	BYW34 TP (2A/400V) TELEFUNKEN
D419	0DD200009AH	RU2AMV(1) TP SANKEN
D420	0DD200009AH	RU2AMV(1) TP SANKEN
D421	0DS113379BA	1SS133 T72 DO34 90V
D422	0DD150009CE	GP15J 600V
D423	0DS113379BA	1SS133 T72 DO34 90V
D424	0DD100009AQ	RP1HV(1) TP SANKEN TP SANKEN
D425	0DS113379BA	1SS133 T72 DO34 90V
D427	0DR360000AA	FMG36S 2.2V 100NSEC 1.0MA
D428	0DR500000CA	FMQG5GS TO3P 1700V 10A
D430	0DS113379BA	1SS133 T72 DO34 90V
D431	0DR149379AA	1N4937G 200NSEC 5UA
D434	0DS113379BA	1SS133 T72 DO34 90V
D435	0DS113379BA	1SS133 T72 DO34 90V
D437	0DS113379BA	1SS133 T72 DO34 90V
D440	0DD200009AH	RU2AMV(1) TP SANKEN
D488	0DD140009AA	EK14 V(1) 40V 1.5A 40A 0.2US 5MA
D500	0DD184009AA	KDS184S CHIP 85V 300MA
D502	0DS113379BA	1SS133 T72 DO34 90V
D503	0DS113379BA	1SS133 T72 DO34 90V
D504	0DS113379BA	1SS133 T72 DO34 90V
D506	0DD184009AA	KDS184S CHIP 85V 300MA
D600	0DD184009AA	KDS184S CHIP 85V 300MA
D601	0DRSE00018A	SRV054 SOT236L 5V 1A
D602	0DRSE00018A	SRV054 SOT236L 5V 1A
D702	0DS113379BA	1SS133 T72 DO34 90V
D704	0DD184009AA	KDS184S CHIP 85V 300MA
D705	0DD184009AA	KDS184S CHIP 85V 300MA
D706	0DS113379BA	1SS133 T72 DO34 90V
D707	0DS113379BA	1SS133 T72 DO34 90V

LOCA. NO	PART NO	DESCRIPTION
D803	0DD100009AM	EU1ZV(1) TP SANKEN
D804	0DD100009AM	EU1ZV(1) TP SANKEN
D810	0DD100009AM	EU1ZV(1) TP SANKEN
D811	0DD100009AM	EU1ZV(1) TP SANKEN
D812	0DD100009AM	EU1ZV(1) TP SANKEN
D813	0DR010009AA	EG01C 1000V 0.5A 10A
D81A	0DD606000AA	RBV606 600V 6A 150A NA 10UA
D81D	0DD110009DB	RM11CV(1)
D81F	0DRSA00121A	FMM26S(LF664) TO220FM 600V
D831	0DD420000BB	D4L20U SHINDENGEN
D832	0DZ240009DC	ZENER,MTZJ2.4B
D841	0DD420000BB	D4L20U SHINDENGEN
D842	0DS113379BA	1SS133 T72 DO34 90V
D851	0DD420000BB	D4L20U SHINDENGEN
D852	0DR460009AA	RK46 DO214AC 60V 3.5A
D853	0DS113379BA	1SS133 T72 DO34 90V
D862	0DS113379BA	1SS133 T72 DO34 90V
D863	0DS113379BA	1SS133 T72 DO34 90V
D864	0DS113379BA	1SS133 T72 DO34 90V
D873	0DS113379BA	1SS133 T72 DO34 90V
D874	0DS113379BA	1SS133 T72 DO34 90V
D876	0DS113379BA	1SS133 T72 DO34 90V
D881	0DD100009AM	EU1ZV(1) TP SANKEN
D891	0DD410000AD	RU4AM,LFL1 SANKEN SANKEN
D892	0DD410000AD	RU4AM,LFL1 SANKEN SANKEN
D901	0DD226239AA	CHIP KDS226 SOT23
D902B	0DD060009AC	TVR06J 600V 250NSEC
D902G	0DD060009AC	TVR06J 600V 250NSEC
D902R	0DD060009AC	TVR06J 600V 250NSEC
D903B	0DS113379BA	1SS133 T72 DO34 90V
D903G	0DS113379BA	1SS133 T72 DO34 90V
D903R	0DS113379BA	1SS133 T72 DO34 90V
D904	0DD226239AA	CHIP KDS226 SOT23
D905B	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D905G	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D905R	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D906B	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D906G	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D906R	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D907	0DD226239AA	CHIP KDS226 SOT23
D907B	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D907G	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D907R	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D908	0DD226239AA	CHIP KDS226 SOT23
D908B	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D908G	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D908R	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D910B	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D910G	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D910R	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D911B	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
D911G	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D911R	0DR210009AC	BAV21 DO35 200V 0.2A 1A 50SEC 100A
D930	0DD060009AC	TVR06J 600V 250NSEC
D931	0DD060009AC	TVR06J 600V 250NSEC
D932	0DD060009AC	TVR06J 600V 250NSEC
D933	0DD060009AC	TVR06J 600V 250NSEC
D950	0DD060009AC	TVR06J 600V 250NSEC
D951	0DD060009AC	TVR06J 600V 250NSEC
D952	0DD060009AC	TVR06J 600V 250NSEC
D953	0DD060009AC	TVR06J 600V 250NSEC
D970	0DD060009AC	TVR06J 600V 250NSEC
D971	0DD060009AC	TVR06J 600V 250NSEC
D972	0DD060009AC	TVR06J 600V 250NSEC
D973	0DD060009AC	TVR06J 600V 250NSEC
DLT01	6301V00001E	LED ASSEMBLY,UEX-LD-02
DT01	0DL100000AE	LED,SA5711(DL1LO) BK AMBER
LED600	0DL233309AC	LED,SAM2333
ZD100	0DRSE00038A	SDC15 TVS SOT23 12.8V
ZD100	0DZ330009BA	ZENERS,HZT33
ZD101	0DRSE00038A	SDC15 TVS SOT23 12.8V
ZD101	0DZ330009BA	ZENERS,HZT33
ZD12	0DZ510009DB	ZENERS,MTZJ5.1B
ZD2610	0DZRM00178A	ZENERS,UDZS TE17 5.1B
ZD2611	0DZRM00178A	ZENERS,UDZS TE17 5.1B
ZD2612	0DZRM00178A	ZENERS,UDZS TE17 5.1B
ZD2805	0DZ240009DC	ZENER,MTZJ2.4B
ZD401	0DZ910009AJ	ZENERS,MTZJ9.1B
ZD401	0DZ510009DB	ZENERS,MTZJ5.1B
ZD404	0DZ240009DC	ZENER,MTZJ2.4B
ZD405	0DZ510009DB	ZENERS,MTZJ5.1B
ZD406	0DZ510009DB	ZENERS,MTZJ5.1B
ZD407	0DZ820009AH	ZENERS,MTZJ8.2B
ZD410	0DZ560009CF	ZENERS,MTZJ5.6B
ZD411	0DZ130009CJ	ZENERS,MTZJ13B
ZD412	0DZ130009CJ	ZENERS,MTZJ13B
ZD501	0DZ910009AJ	ZENERS,MTZJ9.1B
ZD601	0DZ820009BF	ZENERS,GDZJ8.2B
ZD700	0DZ510009DB	ZENERS,MTZJ5.1B
ZD701	0DZ510009DB	ZENERS,MTZJ5.1B
ZD831	0DZ620009BB	ZENERS,MTZJ6.2B
ZD902B	0DZ180009AG	ZENERS,MTZJ18B
ZD902G	0DZ180009AG	ZENERS,MTZJ18B
ZD902R	0DZ180009AG	ZENERS,MTZJ18B
CAPACITOR		
C01P	0CN1030F679	10000P 16V M
C02P	0CE476DD618	47UF STD 10V 20%
C1003	0CE476DK618	47UF STD 50V M
C1004	0CE474DK618	0.4700UF STD 50V M
C1007	0CK104DK56A	0.1UF 2012 50V 10%
C1008	0CK104DK56A	0.1UF 2012 50V 10%

LOCA. NO	PART NO	DESCRIPTION
C1009	0CK104DK56A	0.1UF 2012 50V 10%
C1010	0CK104DK56A	0.1UF 2012 50V 10%
C1011	0CE476DF618	47UF STD 16V M
C1012	0CK104DK56A	0.1UF 2012 50V 10%
C1013	0CE476DF618	47UF STD 16V M
C1014	0CK104DK56A	0.1UF 2012 50V 10%
C1016	0CK104DK56A	0.1UF 2012 50V 10%
C1017	0CE105DK618	1UF STD 50V M
C1018	0CE476DF618	47UF STD 16V M
C1019	0CE476DF618	47UF STD 16V M
C1020	0CK104DK56A	0.1UF 2012 50V 10%
C1021	0CK104DK56A	0.1UF 2012 50V 10%
C1022	0CK104DK56A	0.1UF 2012 50V 10%
C1023	0CK104DK56A	0.1UF 2012 50V 10%
C1024	0CK104DK56A	0.1UF 2012 50V 10%
C1025	0CK104DK56A	0.1UF 2012 50V 10%
C1026	0CK104DK56A	0.1UF 2012 50V 10%
C1027	0CK104DK56A	0.1UF 2012 50V 10%
C1028	0CK104DK56A	0.1UF 2012 50V 10%
C1029	0CK104DK56A	0.1UF 2012 50V 10%
C1030	0CK104DK56A	0.1UF 2012 50V 10%
C1031	0CK104DK56A	0.1UF 2012 50V 10%
C1032	0CE106DF618	10UF STD 16V M
C1033	0CK104DK56A	0.1UF 2012 50V 10%
C1034	0CE106DF618	10UF STD 16V M
C1035	0CE476DF618	47UF STD 16V M
C1036	0CE476DF618	47UF STD 16V M
C1037	0CK104DK56A	0.1UF 2012 50V 10%
C1038	0CK104DK56A	0.1UF 2012 50V 10%
C1039	0CK104DK56A	0.1UF 2012 50V 10%
C104	0CK104DK56A	0.1UF 2012 50V 10%
C1040	0CE476DF618	47UF STD 16V M
C1041	0CK104DK56A	0.1UF 2012 50V 10%
C1042	0CK104DK56A	0.1UF 2012 50V 10%
C1043	0CE106DF618	10UF STD 16V M
C1045	0CK104DK56A	0.1UF 2012 50V 10%
C1047	0CK104DK56A	0.1UF 2012 50V 10%
C1048	0CK104DK56A	0.1UF 2012 50V 10%
C1049	0CE106DF618	10UF STD 16V M
C1050	0CK104DK56A	0.1UF 2012 50V 10%
C1051	0CK104DK56A	0.1UF 2012 50V 10%
C1053	0CK104DK56A	0.1UF 2012 50V 10%
C1055	0CE106DF618	10UF STD 16V M
C1056	0CK104DK56A	0.1UF 2012 50V 10%
C106	0CE107DK618	100UF STD 50V M
C107	0CK104DK56A	0.1UF 2012 50V 10%
C108	0CE226DD618	22UF STD 10V 20%
C11	0CK104DK56A	0.1UF 2012 50V 10%
C110	0CE108DF618	1000UF STD 16V M
C111	0CE477DD618	470UF STD 10V M
C112	0CE476DK618	47UF STD 50V M

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C113	0CE107DK618	100UF STD 50V M
C114	0CE476DD618	47UF STD 10V 20%
C115	0CE476DD618	47UF STD 10V 20%
C116	0CK104DK56A	0.1UF 2012 50V 10%
C117	0CE476DD618	47UF STD 10V 20%
C118	0CK104DK56A	0.1UF 2012 50V 10%
C119	0CK104DK56A	0.1UF 2012 50V 10%
C12	0CE477DF618	470UF STD 16V 20%
C120	0CK104DK56A	0.1UF 2012 50V 10%
C1201	0CE106SF6DC	10UF MVG 16V 20%
C1201	0CE475DK618	4.7UF STD 50V 20%
C1201	0CE105DK618	1UF STD 50V M
C1202	0CE475DK618	4.7UF STD 50V 20%
C1202	0CE105DK618	1UF STD 50V M
C1203	0CE475DK618	4.7UF STD 50V 20%
C1203	0CE105DK618	1UF STD 50V M
C1204	0CE105DK618	1UF STD 50V M
C1205	0CE475DK618	4.7UF STD 50V 20%
C1205	0CE105DK618	1UF STD 50V M
C1206	0CN1040K949	0.1M 50V Z F
C1208	0CN2210K519	220P 50V K B
C1208	0CE105DK618	1UF STD 50V M
C1209	0CN2210K519	220P 50V K B
C121	0CE477DD618	470UF STD 10V M
C1216	0CE105DK618	1UF STD 50V M
C1217	0CE105DK618	1UF STD 50V M
C122	0CK104DK56A	0.1UF 2012 50V 10%
C1220	0CE105DK618	1UF STD 50V M
C1223	0CE105DK618	1UF STD 50V M
C1224	0CE106DK618	10UF STD 50V M
C1225	0CK104DK56A	0.1UF 2012 50V 10%
C1227	0CE226DK618	22UF STD 50V M
C1228	0CE226DK618	22UF STD 50V M
C1229	0CE106DK618	10UF STD 50V M
C123	0CK104DK56A	0.1UF 2012 50V 10%
C1231	0CK104DK56A	0.1UF 2012 50V 10%
C1232	0CE226DF618	22UF STD 16V M
C1233	0CE477DF618	470UF STD 16V 20%
C1234	0CE475DK618	4.7UF STD 50V 20%
C1235	0CE475DK618	4.7UF STD 50V 20%
C124	0CE106SF6DC	10UF MVG 16V 20%
C125	0CE106SF6DC	10UF MVG 16V 20%
C125	0CK104DK56A	0.1UF 2012 50V 10%
C126	0CK104DK56A	0.1UF 2012 50V 10%
C127	0CE476DD618	47UF STD 10V 20%
C128	0CE476DK618	47UF STD 50V M
C129	0CE105SK6DC	1UF MVG 50V M
C13	0CK104DK56A	0.1UF 2012 50V 10%
C130	0CE105SK6DC	1UF MVG 50V M
C1300	0CE106SF6DC	10UF MVG 16V 20%
C1301	0CE226SF6DC	22UF MVG 16V M

LOCA. NO	PART NO	DESCRIPTION
C1303	0CE106SF6DC	10UF MVG 16V 20%
C1304	0CE226SF6DC	22UF MVG 16V M
C1307	0CE226SF6DC	22UF MVG 16V M
C131	0CE105SK6DC	1UF MVG 50V M
C1316	0CE106SF6DC	10UF MVG 16V 20%
C1317	0CE106SF6DC	10UF MVG 16V 20%
C1318	0CE106SF6DC	10UF MVG 16V 20%
C132	0CE105SK6DC	1UF MVG 50V M
C1320	0CE106SF6DC	10UF MVG 16V 20%
C1324	0CE106SF6DC	10UF MVG 16V 20%
C1327	0CE106SF6DC	10UF MVG 16V 20%
C1328	0CE106SF6DC	10UF MVG 16V 20%
C133	0CE105DK618	1UF STD 50V M
C134	0CE476DD618	47UF STD 10V 20%
C135	0CE108DF618	1000UF STD 16V M
C14	0CE477DF618	470UF STD 16V 20%
C140	0CE105SK6DC	1UF MVG 50V M
C140	0CE476DD618	47UF STD 10V 20%
C15	0CE107DF618	100UF STD 16V M
C150	0CK104DK56A	0.1UF 2012 50V 10%
C151	0CK104DK56A	0.1UF 2012 50V 10%
C152	0CE476DF618	47UF STD 16V M
C16	0CK104DK56A	0.1UF 2012 50V 10%
C1618	0CE106DK618	10UF STD 50V M
C1619	0CE106DK618	10UF STD 50V M
C1621	0CE226DF618	22UF STD 16V M
C1625	0CE105DK618	1UF STD 50V M
C1627	0CE475DK618	4.7UF STD 50V 20%
C1628	0CE226DF618	22UF STD 16V M
C1632	0CE475DK618	4.7UF STD 50V 20%
C1650	0CK104DK56A	0.1UF 2012 50V 10%
C17	0CE108DF618	1000UF STD 16V M
C18	0CE107DF618	100UF STD 16V M
C19	0CK104DK56A	0.1UF 2012 50V 10%
C20	0CE107DD618	100UF STD 10V M
C2032	0CC3310K405	330P 50V J SL TS
C2033	0CC3310K405	330P 50V J SL TS
C2034	0CC3310K405	330P 50V J SL TS
C2035	0CC3310K405	330P 50V J SL TS
C2036	0CC3310K405	330P 50V J SL TS
C2037	0CE108DJ618	1000UF STD 35V M
C2038	0CE108DJ618	1000UF STD 35V M
C2050	0CE108DJ618	1000UF STD 35V M
C2052	0CE107DF618	100UF STD 16V M
C2054	0CE107DF618	100UF STD 16V M
C2056	0CE107DF618	100UF STD 16V M
C206	0CE226SF6DC	22UF MVG 16V M
C206	0CE106DF618	10UF STD 16V M
C2060	0CE108DJ618	1000UF STD 35V M
C2061	0CE108DJ618	1000UF STD 35V M
C2063	0CK1040K945	0.1UF 50V Z F TR

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C2064	0CK1040K945	0.1UF 50V Z F TR
C2065	0CK1040K945	0.1UF 50V Z F TR
C2066	0CK1040K945	0.1UF 50V Z F TR
C2067	0CK1040K945	0.1UF 50V Z F TR
C2069	0CK1040K945	0.1UF 50V Z F TR
C207	0CK104DK56A	0.1UF 2012 50V 10%
C2070	0CE477DD618	470UF STD 10V M
C2071	0CE477DD618	470UF STD 10V M
C2072	0CE477DD618	470UF STD 10V M
C2073	0CE477DD618	470UF STD 10V M
C2074	0CK1040K945	0.1UF 50V Z F TR
C2075	0CK1040K945	0.1UF 50V Z F TR
C2080	0CK1040K945	0.1UF 50V Z F TR
C2081	0CK1040K945	0.1UF 50V Z F TR
C2082	0CK1040K945	0.1UF 50V Z F TR
C2094	0CK1040K945	0.1UF 50V Z F TR
C2095	0CK1040K945	0.1UF 50V Z F TR
C2096	0CK1040K945	0.1UF 50V Z F TR
C2142	0CE107DF618	100UF STD 16V M
C2143	0CE107DF618	100UF STD 16V M
C215	0CE106DF618	10UF STD 16V M
C2170	0CE475DK618	4.7UF STD 50V 20%
C218	0CE106DF618	10UF STD 16V M
C2202	0CE476DF618	47UF STD 16V M
C2207	0CE476DF618	47UF STD 16V M
C2210	0CE476DF618	47UF STD 16V M
C2215	0CE476DF618	47UF STD 16V M
C222	0CE106DF618	10UF STD 16V M
C223	0CE226DD618	22UF STD 10V 20%
C225	0CE226DD618	22UF STD 10V 20%
C227	0CE106DF618	10UF STD 16V M
C228	0CK104DK56A	0.1UF 2012 50V 10%
C229	0CK104DK56A	0.1UF 2012 50V 10%
C23	0CQ1042K439	0.1UF S 50V 5%
C23	0CE104DK618	0.1000UF STD 50V M
C232	0CE475DK618	4.7UF STD 50V 20%
C234	0CE475DK618	4.7UF STD 50V 20%
C235	0CE475DK618	4.7UF STD 50V 20%
C236	0CE476DF618	47UF STD 16V M
C237	0CK104DK56A	0.1UF 2012 50V 10%
C239	0CK104DK56A	0.1UF 2012 50V 10%
C240	0CE105DK618	1UF STD 50V M
C241	0CE475DK618	4.7UF STD 50V 20%
C243	0CK104DK56A	0.1UF 2012 50V 10%
C244	0CE475DK618	4.7UF STD 50V 20%
C245	0CE106DF618	10UF STD 16V M
C246	0CE475DK618	4.7UF STD 50V 20%
C247	0CE475DK618	4.7UF STD 50V 20%
C248	0CE106DF618	10UF STD 16V M
C249	0CE106DF618	10UF STD 16V M
C252	0CE106DF618	10UF STD 16V M

LOCA. NO	PART NO	DESCRIPTION
C253	0CE107DF618	100UF STD 16V M
C254	0CK104DK56A	0.1UF 2012 50V 10%
C2605	0CE107DF618	100UF STD 16V M
C2606	0CE107DF618	100UF STD 16V M
C2621	0CE106DF618	10UF STD 16V M
C2623	0CE227DF618	220UF STD 16V M
C27	0CK104DK56A	0.1UF 2012 50V 10%
C2700	0CC3310K405	330P 50V J SL TS
C2701	0CE108DJ618	1000UF STD 35V M
C2702	0CE108DJ618	1000UF STD 35V M
C2703	0CE108DJ618	1000UF STD 35V M
C2704	0CE225DK618	2.2UF STD 50V 20%
C2705	0CE225DK618	2.2UF STD 50V 20%
C2706	0CK1510K515	150P 50V K B TS
C2707	0CK1510K515	150P 50V K B TS
C2708	0CK1510K515	150P 50V K B TS
C2709	0CK1510K515	150P 50V K B TS
C2710	0CK1510K515	150P 50V K B TS
C2711	0CK1510K515	150P 50V K B TS
C2712	0CK1030K945	0.01UF 50V Z F TR
C2713	0CK1030K945	0.01UF 50V Z F TR
C2786	0CN1040K949	0.1M 50V Z F
C28	0CE105DK618	1UF STD 50V M
C2813	0CK1030K945	0.01UF 50V Z F TR
C2815	0CN1010K519	100P 50V K B
C29	0CK104DK56A	0.1UF 2012 50V 10%
C2950	0CK5610K515	560P 50V K B TS
C2951	0CK1220K515	1200P 50V K B TS
C2952	0CK5610K515	560P 50V K B TS
C2953	0CK1220K515	1200P 50V K B TS
C2954	0CK1030K945	0.01UF 50V Z F TR
C2955	0CK1030K945	0.01UF 50V Z F TR
C2956	0CK1030K945	0.01UF 50V Z F TR
C2957	0CE476DF618	47UF STD 16V M
C2960	0CK1030K945	0.01UF 50V Z F TR
C2961	0CE227DD618	220UF STD 10V M
C30	0CE108DD618	1000UF STD 10V M
C302	0CE226SF6DC	22UF MVG 16V M
C31	0CK104DK56A	0.1UF 2012 50V 10%
C312	0CE106SF6DC	10UF MVG 16V 20%
C339	0CK823DK56A	82000PF 2012 50V 10%
C346	0CE476SF6DC	47UF MVG 16V M
C364	0CE106SF6DC	10UF MVG 16V 20%
C368	0CE226SF6DC	22UF MVG 16V M
C371	0CE106SF6DC	10UF MVG 16V 20%
C38	0CK104DK56A	0.1UF 2012 50V 10%
C384	0CE106SF6DC	10UF MVG 16V 20%
C386	0CE106SF6DC	10UF MVG 16V 20%
C39	0CE108DD618	1000UF STD 10V M
C393	0CE226SF6DC	22UF MVG 16V M
C394	0CE106SF6DC	10UF MVG 16V 20%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C397	0CE226SF6DC	22UF MVG 16V M
C398	0CE106SF6DC	10UF MVG 16V 20%
C40	0CK104DK56A	0.1UF 2012 50V 10%
C400	0CE226SF6DC	22UF MVG 16V M
C401	0CE6851K652	6.8UF SM,SA 50V 20%
C403	0CK47101515	470P 1KV K B TS
C405	0CE107DK618	100UF STD 50V M
C406	0CE106SF6DC	10UF MVG 16V 20%
C406	181-013Y	MPP 0.82UF 400V 5%,5%
C407	0CE476SF6DC	47UF MVG 16V M
C407	181-010S	0.0033UF 800V 5%,5%
C409	181-009R	PP 200V 0.022UF K
C41	0CE476DD618	47UF STD 10V 20%
C410	0CQ4731N509	0.047UF D 100V 10%
C411	181-091G	DEHR33D471KN3A 470PF 2KV 10%,10%
C412	0CE107DK618	100UF STD 50V M
C413	0CE477DF618	470UF STD 16V 20%
C414	0CE477DF618	470UF STD 16V 20%
C415	181-091G	DEHR33D471KN3A 470PF 2KV 10%,10%
C416	0CQ3341N401	0.33UF D 100V 5%
C417	0CE106DR618	10UF STD 250V M
C418	0CE107DF618	100UF STD 16V M
C419	0CE227DD618	220UF STD 10V M
C42	0CE105DK618	1UF STD 50V M
C420	0CE107DK618	100UF STD 50V M
C421	0CE106DK618	10UF STD 50V M
C422	0CE107SF6DC	100UF MVG 16V M
C423	0CE107DK618	100UF STD 50V M
C424	0CE107SF6DC	100UF MVG 16V M
C424	0CK3320W515	3300P 500V K B TS
C425	0CE107DK618	100UF STD 50V M
C426	0CE107SF6DC	100UF MVG 16V M
C426	0CE107DK618	100UF STD 50V M
C428	0CE107SF6DC	100UF MVG 16V M
C42A	0CE475DK618	4.7UF STD 50V 20%
C43	0CE228DD618	2200UF STD 10V M
C430	0CK47101515	470P 1KV K B TS
C432	0CN1020K519	1000P 50V K B
C433	0CN1020K519	1000P 50V K B
C435	0CQ1042K439	0.1UF S 50V 5%
C436	181-015J	MPP 1600V 0.0086UF H
C437	0CE226SF6DC	22UF MVG 16V M
C437	0CN6810K519	680P 50V K B
C438	0CQ1041N509	0.1UF D 100V 10%
C439	0CE226SF6DC	22UF MVG 16V M
C44	0CK104DK56A	0.1UF 2012 50V 10%
C440	0CE226SF6DC	22UF MVG 16V M
C440	0CK56101515	560P 1KV K B TS
C442	0CE106SF6DC	10UF MVG 16V 20%
C443	0CC1010K415	100P 50V J NP0 TS
C444	0CQ3321N509	0.0033UF D 100V 10%

LOCA. NO	PART NO	DESCRIPTION
C446	0CN1040K949	0.1M 50V Z F
C448	0CQ1031N509	0.01UF D 100V 10%
C449	0CE105DK618	1UF STD 50V M
C45	0CK104DK56A	0.1UF 2012 50V 10%
C451	0CQ2721N409	0.0027UF D 100V 5%
C452	0CE105DK618	1UF STD 50V M
C455	0CQ1042K439	0.1UF S 50V 5%
C461	0CK47202510	4700P 2KV K B S
C462	0CE226CR618	22UF SHL,SD 250V M
C464	181-015D	MPP 1600V 0.0062UF H
C466	0CE227DK618	220UF STD 50V M
C467	0CE227DK618	220UF STD 50V M
C468	181-009V	PP 200V 0.047UF K
C469	181-007D	MPE ECQV1H154JL3(TR), 50V 0.15UF J
C46D	0CE107DF618	100UF STD 16V M
C46H	0CN1040K949	0.1M 50V Z F
C46K	0CE106DK618	10UF STD 50V M
C47	0CE107DD618	100UF STD 10V M
C470	0CK3320W515	3300P 500V K
C471	181-091Q	R 470PF 1KV 10%,10%
C474	0CE107DK618	100UF STD 50V M
C475	181-014N	MPP 1600V 0.01UF J
C476	181-014N	MPP 1600V 0.01UF J
C477	0CK1810W515	180P 500V K B TS
C478	0CE227BP650	220UF KME TYPE 160V 20%
C48	0CK104DK56A	0.1UF 2012 50V 10%
C481	0CN6810K519	680P 50V K B
C484	0CE476DK618	47UF STD 50V M
C486	0CE105DK618	1UF STD 50V M
C488	0CK104DK56A	0.1UF 2012 50V 10%
C491	0CN1040K949	0.1M 50V Z F
C493	0CN1040K949	0.1M 50V Z F
C49A	0CE106DK618	10UF STD 50V M
C49B	0CE106DK618	10UF STD 50V M
C500	0CK104DK56A	0.1UF 2012 50V 10%
C501	0CK104DK56A	0.1UF 2012 50V 10%
C502	0CE475DK618	4.7UF STD 50V 20%
C503	0CK104DK56A	0.1UF 2012 50V 10%
C504	0CE107SF6DC	100UF MVG 16V M
C504	0CE107DF618	100UF STD 16V M
C505	0CE107DD618	100UF STD 10V M
C506	181-007H	MPE ECQV1H474JL3(TR), 50V 0.47UF J
C507	181-007H	MPE ECQV1H474JL3(TR), 50V 0.47UF J
C508	0CK104DK56A	0.1UF 2012 50V 10%
C509	0CK104DK56A	0.1UF 2012 50V 10%
C510	0CK104DK56A	0.1UF 2012 50V 10%
C511	0CK104DK56A	0.1UF 2012 50V 10%
C512	0CK104DK56A	0.1UF 2012 50V 10%
C513	0CK104DK56A	0.1UF 2012 50V 10%
C514	0CK104DK56A	0.1UF 2012 50V 10%
C515	0CK104DK56A	0.1UF 2012 50V 10%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C516	0CK104DK56A	0.1UF 2012 50V 10%
C517	0CE107DF618	100UF STD 16V M
C519	0CK104DK56A	0.1UF 2012 50V 10%
C52	0CK104DK56A	0.1UF 2012 50V 10%
C520	0CK104DK56A	0.1UF 2012 50V 10%
C521	0CK104DK56A	0.1UF 2012 50V 10%
C522	0CK104DK56A	0.1UF 2012 50V 10%
C525	0CK104DK56A	0.1UF 2012 50V 10%
C527	0CE107DF618	100UF STD 16V M
C529	0CK104DK56A	0.1UF 2012 50V 10%
C530	181-007J	MPE ECQV1H564JL3(TR), 50V 0.56UF J
C531	0CQ4721N519	0.0047UF D 100V 10%
C532	181-007H	MPE ECQV1H474JL3(TR), 50V 0.47UF J
C534	0CQ1042K439	0.1UF S 50V 5%
C535	0CQ1031N509	0.01UF D 100V 10%
C536	0CQ1042K439	0.1UF S 50V 5%
C537	0CQ1042K439	0.1UF S 50V 5%
C538	0CK104DK56A	0.1UF 2012 50V 10%
C539	181-007H	MPE ECQV1H474JL3(TR), 50V 0.47UF J
C540	0CE107DF618	100UF STD 16V M
C541	0CE226DF618	22UF STD 16V M
C543	0CK104DK56A	0.1UF 2012 50V 10%
C544	0CE107DF618	100UF STD 16V M
C545	0CK104DK56A	0.1UF 2012 50V 10%
C546	0CK104DK56A	0.1UF 2012 50V 10%
C547	0CE476DF618	47UF STD 16V M
C549	0CE107DD618	100UF STD 10V M
C550	0CK104DK56A	0.1UF 2012 50V 10%
C552	0CK104DK56A	0.1UF 2012 50V 10%
C553	0CK104DK56A	0.1UF 2012 50V 10%
C555	0CK104DK56A	0.1UF 2012 50V 10%
C556	0CE474DK618	0.4700UF STD 50V M
C557	0CK104DK56A	0.1UF 2012 50V 10%
C56	0CE227DF618	220UF STD 16V M
C601	0CE106SF6DC	10UF MVG 16V 20%
C601	0CK104DK56A	0.1UF 2012 50V 10%
C602	0CE477DF618	470UF STD 16V 20%
C603	0CE226DD618	22UF STD 10V 20%
C604	0CK104DK56A	0.1UF 2012 50V 10%
C607	0CK104DK56A	0.1UF 2012 50V 10%
C61	0CK104DK56A	0.1UF 2012 50V 10%
C610	0CK104DK56A	0.1UF 2012 50V 10%
C611	0CE107DF618	100UF STD 16V M
C612	0CE335DK618	3.3UF STD 50V 20%
C619	0CE226DF618	22UF STD 16V M
C62	0CK104DK56A	0.1UF 2012 50V 10%
C621	0CK104DK56A	0.1UF 2012 50V 10%
C622	0CE106SF6DC	10UF MVG 16V 20%
C624	0CE106SF6DC	10UF MVG 16V 20%
C626	0CE106SF6DC	10UF MVG 16V 20%
C628	0CE106SF6DC	10UF MVG 16V 20%

LOCA. NO	PART NO	DESCRIPTION
C628	0CE335DK618	3.3UF STD 50V 20%
C629	0CE105DK618	1UF STD 50V M
C63	0CE108DD618	1000UF STD 10V M
C630	0CE106DF618	10UF STD 16V M
C633	0CE107DF618	100UF STD 16V M
C634	0CK104DK56A	0.1UF 2012 50V 10%
C637	0CE476SF6DC	47UF MVG 16V M
C639	0CE476SF6DC	47UF MVG 16V M
C643	0CE476SF6DC	47UF MVG 16V M
C67	0CE107DF618	100UF STD 16V M
C677	0CE476SF6DC	47UF MVG 16V M
C68	0CK104DK56A	0.1UF 2012 50V 10%
C689	0CK105DF64A	1UF 2012 16V 20%
C69	0CE477DD618	470UF STD 10V M
C70	0CE475DK618	4.7UF STD 50V 20%
C700	0CE106DF618	10UF STD 16V M
C701	0CE335DK618	3.3UF STD 50V 20%
C702	0CQ1042K439	0.1UF S 50V 5%
C703	0CE226DK618	22UF STD 50V M
C704	0CQ5621N509	0.0056UF D 100V 10%
C705	0CE104DK618	0.1000UF STD 50V M
C706	0CE106DK618	10UF STD 50V M
C707	0CQ5621N509	0.0056UF D 100V 10%
C709	0CE106DK618	10UF STD 50V M
C71	0CE108DF618	1000UF STD 16V M
C711	0CE107DK618	100UF STD 50V M
C712	0CE228DK650	2200UF STD 50V M
C713	0CE228DK650	2200UF STD 50V M
C714	0CQ1042K439	0.1UF S 50V 5%
C715	0CE477DF618	470UF STD 16V 20%
C716	0CQ1042K439	0.1UF S 50V 5%
C717	0CE107DK618	100UF STD 50V M
C718	0CQ1042K439	0.1UF S 50V 5%
C719	0CE108DK61A	1000UF STD 50V M
C72	0CE108DF618	1000UF STD 16V M
C73	0CE108DD618	1000UF STD 10V M
C732	0CQ1042K439	0.1UF S 50V 5%
C733	0CE226DK618	22UF STD 50V M
C734	0CE104DK618	0.1000UF STD 50V M
C76	0CK104DK56A	0.1UF 2012 50V 10%
C77	0CE107DD618	100UF STD 10V M
C802	0CE3366W650	33UF SMS,SG 500V 20%
C803	181-001U	LUG(85) 470UF 450V 20%
C804	181-011D	PP 1600V 0.0022UF J
C805	0CE476BK618	47UF KME 50V M
C806	0CK8210K515	820P 50V K B TS
C807	181-091R	R 1000PF 1KV 10%,10%
C80A	0CQZVBK002B	A.C 275V 0.15UF K (S=22.5)
C810	0CE476DK618	47UF STD 50V M
C811	0CE476DK618	47UF STD 50V M
C812	0CK8210K515	820P 50V K B TS

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C813	181-010K	PP 0.01UF 630V 5%
C816	181-091Q	R 470PF 1KV 10%,10%
C81B	0CQZVBK002B	A.C 275V 0.15UF K (S=22.5)
C81D	181-001K	CE 450V 220UF M LUG(105)
C82A	181-120N	1000PF 4KV M E FMTW LEAD4.5
C82B	181-120N	1000PF 4KV M E FMTW LEAD4.5
C82C	181-120P	470 PF 4KV K JE R FL 10
C82H	0CK10202510	1000P 2KV K B S
C82J	0CK10202510	1000P 2KV K B S
C830	181-120K	2200PF 4KV M E FMTW LEAD 4.5
C832	0CE337DF618	330UF STD 16V M
C833	0CK10201515	1000P 1KV K B TS
C834	0CE475DK618	4.7UF STD 50V 20%
C841	181-091Q	R 470PF 1KV 10%,10%
C842	0CE228DF618	2200UF STD 16V M
C851	181-091Q	R 470PF 1KV 10%,10%
C852	0CE2286H61A	2200UF SMS,SG 25V 20%
C853	0CE108DF618	1000UF STD 16V M
C854	0CE108DF618	1000UF STD 16V M
C861	181-091Q	R 470PF 1KV 10%,10%
C862	0CE228CL611	2200UF SHL,SD 63V M
C863	0CE228CL611	2200UF SHL,SD 63V M
C866	0CE475CK636	4.7UF SHL,SD 50V 20%
C871	181-091Q	R 470PF 1KV 10%,10%
C872	181-091Q	R 470PF 1KV 10%,10%
C873	0CE228BK650	2200UF KME TYPE 50V 20%
C874	0CE228BK650	2200UF KME TYPE 50V 20%
C876	0CE105DK618	1UF STD 50V M
C881	181-091Q	R 470PF 1KV 10%,10%
C882	0CE337DK618	330UF STD 50V M
C884	0CE337DK618	330UF STD 50V M
C888	0CE475BP618	4.7UF KME TYPE 160V 20%
C889	0CN1030F679	10000P 16V M
C891	181-091R	R 1000PF 1KV 10%,10%
C892	0CE227BP650	220UF KME TYPE 160V 20%
C893	0CE227BP650	220UF KME TYPE 160V 20%
C895	181-091R	R 1000PF 1KV 10%,10%
C896	0CE227BP650	220UF KME TYPE 160V 20%
C897	0CE107CP618	100U SHL 160V M
C898	0CQ1041N509	0.1UF D 100V 10%
C899	0CE475BP618	4.7UF KME TYPE 160V 20%
C901	0CE106BK618	10UF KME 50V M
C901B	0CE107DF618	100UF STD 16V M
C901G	0CE107DF618	100UF STD 16V M
C901R	0CE107DF618	100UF STD 16V M
C902	0CE476BK618	47UF KME 50V M
C903	0CE106BK618	10UF KME 50V M
C903B	0CE107DF618	100UF STD 16V M
C903G	0CE107DF618	100UF STD 16V M
C903R	0CE107DF618	100UF STD 16V M
C904	0CE106BK618	10UF KME 50V M

LOCA. NO	PART NO	DESCRIPTION
C905	0CQ1031N509	0.01UF D 100V 10%
C905B	0CE108DF618	1000UF STD 16V M
C905G	0CE108DF618	1000UF STD 16V M
C905R	0CE108DF618	1000UF STD 16V M
C906	0CE476BK618	47UF KME 50V M
C906B	0CE476DR618	47UF STD 250V 20%
C906G	0CE476DR618	47UF STD 250V 20%
C906R	0CE476DR618	47UF STD 250V 20%
C907B	0CE106DR618	10UF STD 250V M
C907G	0CE106DR618	10UF STD 250V M
C907R	0CE106DR618	10UF STD 250V M
C908	0CE336DK618	33UF STD 50V M
C908B	0CK1030W510	0.01U 500V K B S
C908G	0CK1030W510	0.01U 500V K B S
C908R	0CK1030W510	0.01U 500V K B S
C909B	0CK47202510	4700P 2KV K B S
C909G	0CK47202510	4700P 2KV K B S
C909R	0CK47202510	4700P 2KV K B S
C910B	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C910G	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C910R	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C911	0CK104DK56A	0.1UF 2012 50V 10%
C912	0CK104DK56A	0.1UF 2012 50V 10%
C913B	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C913G	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C913R	0CQZVBK002A	A.C 275V 0.1UF M (S=15)
C914B	0CK5610W515	560P 500V K B TS
C914G	0CK5610W515	560P 500V K B TS
C914R	0CK5610W515	560P 500V K B TS
C919B	0CK1010K515	100P 50V K B TS
C919G	0CK1010K515	100P 50V K B TS
C919R	0CK1010K515	100P 50V K B TS
C931	0CE337DK618	330UF STD 50V M
C932	0CE106BR618	10UF KME 250V M
C933	0CE106BK618	10UF KME 50V M
C934	0CE106BK618	10UF KME 50V M
C935	0CE106BK618	10UF KME 50V M
C936	0CE107BP61A	100UF KME 160V M
C937	0CE107DN618	100UF STD 100V M
C938	0CQ1031N509	0.01UF D 100V 10%
C939	0CK104DK56A	0.1UF 2012 50V 10%
C941	0CK4720W510	4700P 500V K B S
C952	0CE106BR618	10UF KME 250V M
C953	0CE106BK618	10UF KME 50V M
C954	0CE106BK618	10UF KME 50V M
C955	0CE106DK618	10UF STD 50V M
C957	0CE107DN618	100UF STD 100V M
C958	0CQ1031N509	0.01UF D 100V 10%
C960	0CE107CP618	100U SHL 160V M
C972	0CE106BR618	10UF KME 250V M
C973	0CE106BK618	10UF KME 50V M

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C974	0CE106BK618	10UF KME 50V M
C975	0CE106BK618	10UF KME 50V M
C977	0CE107DN618	100UF STD 100V M
C978	0CQ1031N509	0.01UF D 100V 10%
C979	0CK104DK56A	0.1UF 2012 50V 10%
C980	0CE107CP618	100U SHL 160V M
CT01	0CN1040K949	0.1M 50V Z
“(45”’)	0CX6800K409	68P 50V J SL
CT02	0CX6800K409	68P 50V J SL
CT03	0CX6800K409	68P 50V J
“(45”)	0CN1040K949	0.1M 50V Z F
CT04	0CN1040K949	0.1M 50V Z
“(45”)	0CE1074F618	100UF SRA 16V M
CT05	0CE1074F618	100UF SRA 16V M
“(45”)	0CN1040K949	0.1M 50V Z F
CT06	0CX6800K409	68P 50V J
“(45”)	0CE1074F618	100UF SRA 16V M
CT07	0CX6800K409	68P 50V J
CT08	0CN1040K949	0.1M 50V Z
CT09	0CE1074F618	100UF SRA 16V M
CT10	0CE4763F618	47UF SRE 16V M
CT11	0CE4763F618	47UF SRE 16V M
R41L	0CN1020K519	1000P 50V K B

JACK

IC501	6612BBBHN4A	JACK,DIN TOTX179
IC502	6612BBBHN4B	JACK,DIN TORX179
IC505	6612BBBHN4B	JACK,DIN TORX179
JA1201	6613V00013J	JACK ASSEMBLY,PMJ021J 9PIN
JA1201	6613V00010D	JACK ASSEMBLY,PMJ016D 3P
JA1202	6612VBH001B	JACK,DIN PSJ013A 2 INPUT
JA1203	380-392H	JACK,RCA S457K 6PIN
JA203	6612VJH022C	JACK,RCA PPJ125C 10PIN
P400	6612VMH003A	JACK,SCART 365100032 48PIN
P401	6612VMH003A	JACK,SCART 365100032 48PIN

COIL & TRANSFORMER

L01P	0LA0102K119	INDUCTOR,10UH K
L1009	0LA0102K119	INDUCTOR,10UH K
L1010	0LA0102K119	INDUCTOR,10UH K
L1011	0LA0561K119	INDUCTOR,5.6UH K
L1203	0LA0472K119	INDUCTOR,47UH K
L1204	0LA0472K119	INDUCTOR,47UH K
L2700	150-C02F	COIL,CHOKE 82UH
L2701	150-C02F	COIL,CHOKE 82UH
L2702	150-C02F	COIL,CHOKE 82UH
L2703	150-C02F	COIL,CHOKE 82UH
L2704	0LA0101K119	INDUCTOR,1.0UH K
L2705	0LA0101K119	INDUCTOR,1.0UH K
L2706	0LA0101K119	INDUCTOR,1.0UH K
L2707	0LA0101K119	INDUCTOR,1.0UH K
L2708	0LA0101K119	INDUCTOR,1.0UH K
L2709	0LA0101K119	INDUCTOR,1.0UH K
L2711	0LA0102K139	INDUCTOR,10UH K
L2712	0LA0102K139	INDUCTOR,10UH K
L401	150-717J	COIL,CHOKE 560UH (E/W)
L402	6140VE0001Z	COIL,LINEARITY 27.5TURN
L404	0LA1001K139	INDUCTOR,1000UH 10%
L405	150-717J	COIL,CHOKE 560UH (E/W)
L71	150-C02F	COIL,CHOKE 82UH
L72	150-C02F	COIL,CHOKE 82UH
L73	150-C02F	COIL,CHOKE 82UH
L852	6170VZ0005A	TRANSFORMER,HDRIVER IRON15 120UH
L861	150-C02F	COIL,CHOKE 82UH
L891	150-C02F	COIL,CHOKE 82UH
L892	150-C02F	COIL,CHOKE 82UH
L901	150-C02F	COIL,CHOKE 82UH
L902	150-C02F	COIL,CHOKE 82UH
L902B	0LA0102K119	INDUCTOR,10UH K
L902G	0LA0102K119	INDUCTOR,10UH K
L902R	0LA0102K119	INDUCTOR,10UH K
LT01	0LA0102K119	INDUCTOR,10UH K
LT02	0LA0102K119	INDUCTOR,10UH K
T401	151-515A	TRANSFORMER,HDRIVER EI 2519 4.5MH
T402	6170VC0009A	TRANSFORMER,HDRIVER EI2519 8700UH
T403	6174V-5007A	FBT,6174Z6500A 44 JW 6174Z6400B
T405	6170VMCA13S	TRANSFORMER,SMPS[COIL] EER4215 1.2UH
T406	151-E06A	TRANSFORMER,POWER EER2834 0UH
T801	6170VMCB16A	TRANSFORMER,SMPS[COIL] EE5555 200UH
T805	6170VS0004B	TRANSFORMER,STANDBY EE2229 2200UUH

CONNECTOR

P005	6932V25004A	CONNECTOR,HOUSING 365120098
P006	6932V25004A	CONNECTOR,HOUSING 365120098
P100	6631V25A04A	CONNECTOR ASSEMBLY,14P 2.5MM
P101	387-A08A	CONNECTOR ASSEMBLY,8P 2.5MM
P104	6630VGA004B	CONNECTOR,DSUB 691070921 9P 2.77MM
P401A	387-A08A	CONNECTOR ASSEMBLY,8P 2.5MM
“(45”)	387-A08C	CONNECTOR ASSEMBLY,8P 2.5MM
P403A	387-A09A	CONNECTOR ASSEMBLY,9P 2.5MM
“(45”)	387-A09C	CONNECTOR ASSEMBLY,9P 2.5MM
P404A	387-A07A	CONNECTOR ASSEMBLY,7P 2.5MM
“(45”)	387-A07C	CONNECTOR ASSEMBLY,7P 2.5MM
P411A	387-A06J	CONNECTOR ASSEMBLY,6P 2.5MM
P600	6630GZ00724	CONNECTOR,DSUB 673514006 24P 1.91MM
P841A	6631V25A04C	CONNECTOR ASSEMBLY,14P 2.5MM
“(45”)	6631V25A04D	CONNECTOR ASSEMBLY,14P 2.5MM
P861A	387-A04A	CONNECTOR ASSEMBLY,4P 2.5MM
“(45”)	387-A04C	CONNECTOR ASSEMBLY,4P 2.5MM
P903A	6631V00017E	CONNECTOR ASSEMBLY,9P 2.5MM

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
P904A	6631V00017E	CONNECTOR ASSEMBLY,9P 2.5MM
RESISTOR		
AR100	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
AR101	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
AR302	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR303	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR600	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR601	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR602	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR603	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR604	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR611	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR612	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR613	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
FR901B	0RF0102K607	10 2W 5%
FR901G	0RF0102K607	10 2W 5%
FR901R	0RF0102K607	10 2W 5%
FR902B	0RF0820H609	0.82 OHM 1/2 W 5.00%
FR902B	0RF0470H609	0.47 OHM 1/2 W 5.00%
FR902G	0RF0820H609	0.82 OHM 1/2 W 5.00%
FR902G	0RF0470H609	0.47 OHM 1/2 W 5.00%
FR902R	0RF0820H609	0.82 OHM 1/2 W 5.00%
FR902R	0RF0470H609	0.47 OHM 1/2 W 5.00%
L204	0RN1001G509	1K OHM 1/4 W 2.00%
L403	0RF0111K607	1.1 OHM 2 W 5.00%
R107	0RS0202K607	20 OHM 2 W 5.00%
R11	0RS0472K607	47 OHM 2 W 5.00%
R110	0RS4700K607	470 OHM 2 W 5.00%
R1201	0RD0752F609	75 OHM 1/6 W 5.00%
R1202	0RD0752F609	75 OHM 1/6 W 5.00%
R1203	0RD0752F609	75 OHM 1/6 W 5.00%
R1204	0RD2403F609	240K OHM 1/6 W 5.00%
R1205	0RD2403F609	240K OHM 1/6 W 5.00%
R129	0RS1001K607	1K OHM 2 W 5.00%
R2095	0RF0470K607	0.47 OHM 2 W 5.00%
R2096	0RF0470K607	0.47 OHM 2 W 5.00%
R260	0RN1002F409	10K OHM 1/6 W 1.00%
R2700	0RS2200K607	220 OHM 2 W 5.00%
R2703	0RD2701F609	2.7K OHM 1/6 W 5%
R2704	0RD2701F609	2.7K OHM 1/6 W 5%
R2705	0RD2701F609	2.7K OHM 1/6 W 5%
R2706	0RD2701F609	2.7K OHM 1/6 W 5%
R2707	0RD2701F609	2.7K OHM 1/6 W 5%
R2708	0RD2701F609	2.7K OHM 1/6 W 5%
R2709	0RD3301F609	3.3K OHM 1/6 W 5.00%
R2710	0RD3301F609	3.3K OHM 1/6 W 5.00%
R2711	0RD3301F609	3.3K OHM 1/6 W 5.00%
R2712	0RD3301F609	3.3K OHM 1/6 W 5.00%
R2713	0RD3301F609	3.3K OHM 1/6 W 5.00%
R2714	0RD3301F609	3.3K OHM 1/6 W 5.00%

LOCA. NO	PART NO	DESCRIPTION
R2715	0RD4701F609	4.7K OHM 1/6 W 5%
R2716	0RD4701F609	4.7K OHM 1/6 W 5%
R2717	0RD2702F609	27K OHM 1/6 W 5.00%
R2718	0RD2702F609	27K OHM 1/6 W 5.00%
R2719	0RD4702F609	47K OHM 1/6 W 5%
R2720	0RD4702F609	47K OHM 1/6 W 5%
R2721	0RD4702F609	47K OHM 1/6 W 5%
R2722	0RD4702F609	47K OHM 1/6 W 5%
R2723	0RD4702F609	47K OHM 1/6 W 5%
R2724	0RD4702F609	47K OHM 1/6 W 5%
R2725	0RS0391K607	3.9 OHM 2 W 5.00%
R2726	0RS0391K607	3.9 OHM 2 W 5.00%
R2727	0RS0391K607	3.9 OHM 2 W 5.00%
R2728	0RS0391K607	3.9 OHM 2 W 5.00%
R2729	0RS0391K607	3.9 OHM 2 W 5.00%
R2730	0RS0391K607	3.9 OHM 2 W 5.00%
R2731	0RS0391K607	3.9 OHM 2 W 5.00%
R2732	0RS0391K607	3.9 OHM 2 W 5.00%
R2733	0RS0391K607	3.9 OHM 2 W 5.00%
R2734	0RS0391K607	3.9 OHM 2 W 5.00%
R2735	0RS0391K607	3.9 OHM 2 W 5.00%
R2736	0RS0391K607	3.9 OHM 2 W 5.00%
R2737	0RS2200K607	220 OHM 2 W 5.00%
R2738	0RS2200K607	220 OHM 2 W 5.00%
R2739	0RS2200K607	220 OHM 2 W 5.00%
R2740	0RS2200K607	220 OHM 2 W 5.00%
R2741	0RS2200K607	220 OHM 2 W 5.00%
R2742	0RS2200K607	220 OHM 2 W 5.00%
R2743	0RS2200K607	220 OHM 2 W 5.00%
R2744	0RS2200K607	220 OHM 2 W 5.00%
R2745	0RS2200K607	220 OHM 2 W 5.00%
R2746	0RS2200K607	220 OHM 2 W 5.00%
R2747	0RS2200K607	220 OHM 2 W 5.00%
R2748	0RD1000F609	100 OHM 1/6 W 5%
R2780	0RD1601F609	1.6K OHM 1/6 W 5.00%
R2781	0RD1001F609	1K OHM 1/6 W 5%
R2782	0RD1601F609	1.6K OHM 1/6 W 5.00%
R2783	0RD1001F609	1K OHM 1/6 W 5%
R2784	0RD1601F609	1.6K OHM 1/6 W 5.00%
R2785	0RD1001F609	1K OHM 1/6 W 5%
R2786	0RD1601F609	1.6K OHM 1/6 W 5.00%
R2787	0RD1001F609	1K OHM 1/6 W 5%
R2788	0RD1601F609	1.6K OHM 1/6 W 5.00%
R2789	0RD1001F609	1K OHM 1/6 W 5%
R2790	0RD1601F609	1.6K OHM 1/6 W 5.00%
R2791	0RD1001F609	1K OHM 1/6 W 5%
R2792	0RD1002F609	10K OHM 1/6 W 5%
R2793	0RD4701F609	4.7K OHM 1/6 W 5%
R2794	0RD4701F609	4.7K OHM 1/6 W 5%
R2795	0RD4701F609	4.7K OHM 1/6 W 5%
R2796	0RD2201F609	2.2K OHM 1/6 W 5.00%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
R2797	0RD4701F609	4.7K OHM 1/6 W 5%
R2798	0RD1002F609	10K OHM 1/6 W 5%
R2806	0RD2701F609	2.7K OHM 1/6 W 5%
R2950	0RD1004F609	1M OHM 1/6 W 5%
R2951	0RD4703F609	470K OHM 1/6 W 5.00%
R2952	0RD1004F609	1M OHM 1/6 W 5%
R2953	0RD4703F609	470K OHM 1/6 W 5.00%
R2954	0RD1002F609	10K OHM 1/6 W 5%
R2955	0RD1002F609	10K OHM 1/6 W 5%
R2956	0RD1002F609	10K OHM 1/6 W 5%
R2957	0RD1002F609	10K OHM 1/6 W 5%
R2958	0RD1004F609	1M OHM 1/6 W 5%
R2959	0RD1004F609	1M OHM 1/6 W 5%
R2960	0RD3003F609	300K OHM 1/6 W 5.00%
R2961	0RD3003F609	300K OHM 1/6 W 5.00%
R2962	0RD5101F609	5.1K OHM 1/6 W 5.00%
R2965	0RD1002F609	10K OHM 1/6 W 5%
R2965	0RD1004F609	1M OHM 1/6 W 5%
R2966	0RD1002F609	10K OHM 1/6 W 5%
R2967	0RD1004F609	1M OHM 1/6 W 5%
R2969	0RD1002F609	10K OHM 1/6 W 5%
R2969	0RD1004F609	1M OHM 1/6 W 5%
R2970	0RD1004F609	1M OHM 1/6 W 5%
R2971	0RD5101F609	5.1K OHM 1/6 W 5.00%
R2972	0RD1002F609	10K OHM 1/6 W 5%
R2973	0RD1002F609	10K OHM 1/6 W 5%
R2978	0RD1004F609	1M OHM 1/6 W 5%
R2980	0RD0102F609	10 OHM 1/6 W 5%
R2981	0RD0102F609	10 OHM 1/6 W 5%
R400	0RF0470H609	0.47 OHM 1/2 W 5.00%
R401	0RD1200H609	120 OHM 1/2 W 5.00%
R402	0RD3301F609	3.3K OHM 1/6 W 5.00%
R403	0RD1200H609	120 OHM 1/2 W 5.00%
R403	0RS1000K607	100 OHM 2 W 5.00%
R404	0RD6200F609	620 OHM 1/6 W 5.00%
R405	0RS3902K607	39K OHM 2 W 5.00%
R406	0RS3902K607	39K OHM 2 W 5.00%
R407	0RS3902K607	39K OHM 2 W 5.00%
R408	0RD1000H609	100 OHM 1/2 W 5.00%
R409	0RS5101H609	5.1K OHM 1/2 W 5.00%
R40A	0RD4702F609	47K OHM 1/6 W 5%
R40C	0RD7501F609	7.5K OHM 1/6 W 5.00%
R40D	0RD1000F609	100 OHM 1/6 W 5%
R40E	0RD7502H609	75K OHM 1/2 W 5.00%
R40F	0RS1002H609	10K OHM 1/2 W 5.00%
R40G	0RD0682F609	68 OHM 1/6 W 5.00%
R40H	0RD3300F609	330 OHM 1/6 W 5.00%
R40I	0RD4701F609	4.7K OHM 1/6 W 5%
R40J	0RD4701F609	4.7K OHM 1/6 W 5%
R40K	0RD2403H609	240K OHM 1/2 W 5.00%
R40L	0RD1501F609	1.5K OHM 1/6 W 5%

LOCA. NO	PART NO	DESCRIPTION
R40M	0RD2001H609	2K OHM 1/2 W 5.00%
R40N	0RF0470H609	0.47 OHM 1/2 W 5.00%
R40P	0RD2201F609	2.2K OHM 1/6 W 5.00%
R40Q	0RD3301F609	3.3K OHM 1/6 W 5.00%
R40T	0RD1001F609	1K OHM 1/6 W 5%
R40U	0RD1602F609	16K OHM 1/6 W 5.00%
R40V	0RD6801F609	6.8K OHM 1/6 W 5.00%
R40W	0RD2002F609	20K OHM 1/6 W 5.00%
R40X	0RD0102F609	10 OHM 1/6 W 5%
R40Y	0RF0470H609	0.47 OHM 1/2 W 5.00%
R40Z	0RD4700H609	470 OHM 1/2 W 5.00%
R410	0RS6801K607	6.8K OHM 2 W 5.00%
R411	0RD1502H609	15K OHM 1/2 W 5.00%
R412	0RD1801H609	1.8K OHM 1/2 W 5.00%
R413	0RS3902K607	39K OHM 2 W 5.00%
R414	0RF0201K607	2 OHM 2 W 5.00%
R415	0RF0201K607	2 OHM 2 W 5.00%
R416	180-C02M	5.6K OHM 1/2 W 10%
R417	0RD1501H609	1.5K OHM 1/2 W 5.00%
R418	0RD1002F609	10K OHM 1/6 W 5%
R419	0RS0221H609	2.2 OHM 1/2 W 5.00%
R41A	0RD1000F609	100 OHM 1/6 W 5%
R41B	0RD1001F609	1K OHM 1/6 W 5%
R41C	0RD1200H609	120 OHM 1/2 W 5.00%
R41D	0RD1002F609	10K OHM 1/6 W 5%
R41E	0RD1200H609	120 OHM 1/2 W 5.00%
R41G	0RD2200H609	220 OHM 1/2 W 5.00%
R41K	0RD8202F609	82K OHM 1/6 W 5.00%
R41P	0RD1200H609	120 OHM 1/2 W 5.00%
R41R	0RD1200H609	120 OHM 1/2 W 5.00%
R420	0RD3302F609	33K OHM 1/6 W 5%
R421	0RD0102F609	10 OHM 1/6 W 5%
R423	0RS1500K607	150 OHM 2 W 5.00%
R425	0RF0111K607	1.1 OHM 2 W 5.00%
R425	0RF0161K607	1.6 OHM 2 W 5.00%
R426	0RF0141K607	1.4 OHM 2 W 5.00%
R428	0RN5601F409	5.6K OHM 1/6 W 1.00%
R429	0RD1303F609	130K OHM 1/6 W 5.00%
R42A	0RD4701F609	4.7K OHM 1/6 W 5%
R430	0RS4702H609	47K OHM 1/2 W 5.00%
R431	0RS0101H609	1 OHM 1/2 W 5.00%
R432	0RD4700H609	470 OHM 1/2 W 5.00%
R433	0RF0101K607	1 OHM 2 W 5.00%
R434	0RF0141K607	1.4 OHM 2 W 5.00%
R435	0RN5601F409	5.6K OHM 1/6 W 1.00%
R436	0RD1102F609	11K OHM 1/6 W 5.00%
R437	0RD2201F609	2.2K OHM 1/6 W 5.00%
R438	0RD2001F609	2K OHM 1/6 W 5%
R439	0RD2201F609	2.2K OHM 1/6 W 5.00%
R440	0RD1501F609	1.5K OHM 1/6 W 5%
R441	0RD1102F609	11K OHM 1/6 W 5.00%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
R442	0RD5101F609	5.1K OHM 1/6 W 5.00%
R443	0RD0472F609	47 OHM 1/6 W 5%
R445	0RD1000H609	100 OHM 1/2 W 5.00%
R449	0RD1002F609	10K OHM 1/6 W 5%
R450	0RD1501F609	1.5K OHM 1/6 W 5%
R451	0RD1001F609	1K OHM 1/6 W 5%
R452	0RD1501F609	1.5K OHM 1/6 W 5%
R453	0RD1000H609	100 OHM 1/2 W 5.00%
R454	0RS0470H609	0.47 OHM 1/2 W 5.00%
R455	0RD1000H609	100 OHM 1/2 W 5.00%
R457	0RD1000F609	100 OHM 1/6 W 5%
R458	0RD3003F609	300K OHM 1/6 W 5.00%
R459	0RD1002F609	10K OHM 1/6 W 5%
R460	0RD2702F609	27K OHM 1/6 W 5.00%
R461	0RD1002F609	10K OHM 1/6 W 5%
R463	0RD1001F609	1K OHM 1/6 W 5%
R464	0RD2001F609	2K OHM 1/6 W 5%
R465	0RD4700F609	470 OHM 1/6 W 0.05
R466	0RD1001F609	1K OHM 1/6 W 5%
R467	0RD1000F609	100 OHM 1/6 W 5%
R468	0RD4700F609	470 OHM 1/6 W 0.05
R469	0RS3900K607	390 OHM 2 W 5.00%
R46A	0RD2201F609	2.2K OHM 1/6 W 5.00%
R46D	0RD3301F609	3.3K OHM 1/6 W 5.00%
R470	0RS2002H609	20K OHM 1/2 W 5.00%
R473	0RD3301F609	3.3K OHM 1/6 W 5.00%
R474	0RD2701H609	2.7K OHM 1/2 W 5.00%
R475	0RD2200H609	220 OHM 1/2 W 5.00%
R476	0RS3900K607	390 OHM 2 W 5.00%
R477	0RD2201F609	2.2K OHM 1/6 W 5.00%
R478	0RS2001K607	2K OHM 2 W 5.00%
R479	0RD5601F609	5.6K OHM 1/6 W 5%
R480	0RS2001K607	2K OHM 2 W 5.00%
R481	0RS3902K607	39K OHM 2 W 5.00%
R482	0RS3902K607	39K OHM 2 W 5.00%
R483	0RN2002F409	20K OHM 1/6 W 1.00%
R484	0RN9102F409	91K OHM 1/6 W 1.00%
R485	0RS0561K607	5.6 OHM 2 W 5.00%
R486	0RS1002H609	10K OHM 1/2 W 5.00%
R487	0RS0202K607	20 OHM 2 W 5.00%
R488	180-A01E	2 W RW ROUND G 2W 0.33J TA31(63)
R489	0RD0472F609	47 OHM 1/6 W 5%
R490	0RN2202F409	22K OHM 1/6 W 1.00%
R491	180-A01B	RW ROUND G 2W 0.11 K TA31(63)
R492	0RD1303F609	130K OHM 1/6 W 5.00%
R493	0RF0470H609	0.47 OHM 1/2 W 5.00%
R494	0RF0121H609	1.2 OHM 1/2 W 5.00%
R495	0RD1001F609	1K OHM 1/6 W 5%
R496	0RD1602F609	16K OHM 1/6 W 5.00%
R497	0RD7501F609	7.5K OHM 1/6 W 5.00%
R498	0RS2702H609	27K OHM 1/2 W 5.00%

LOCA. NO	PART NO	DESCRIPTION
R499	0RD2002F609	20K OHM 1/6 W 5.00%
R546	0RN1002F409	10K OHM 1/6 W 1.00%
R749	0RD1001H609	1K OHM 1/2 W 5.00%
R750	0RD1001H609	1K OHM 1/2 W 5.00%
R802	0RD1001F609	1K OHM 1/6 W 5%
R803	180-A01P	0.13 OHM 2 W 5%
R804	180-A01D	RW ROUND G 2W 0.16 J
R805	0RD0562H609	56 OHM 1/2 W 5.00%
R807	0RD4701F609	4.7K OHM 1/6 W 5%
R808	0RD3301F609	3.3K OHM 1/6 W 5.00%
R815	0RD1001F609	1K OHM 1/6 W 5%
R817	0RD1003H609	100K OHM 1/2 W 5.00%
R818	0RD1003H609	100K OHM 1/2 W 5.00%
R819	0RS0470H609	0.47 OHM 1/2 W 5.00%
R81G	180-C02B	4.7MOHM 1/2 W 10% A
R820	0RS1203K607	120K OHM 2 W 5.00%
R821	0RS0331H609	3.3 OHM 1/2 W 5.00%
R827	0RD0681H609	6.8 OHM 1/2 W 5.00%
R828	0RD2001H609	2K OHM 1/2 W 5.00%
R829	0RD1001F609	1K OHM 1/6 W 5%
R830	180-C02B	4.7MOHM 1/2 W 10%
R831	0RD1001F609	1K OHM 1/6 W 5%
R832	0RD4701F609	4.7K OHM 1/6 W 5%
R833	0RD4701F609	4.7K OHM 1/6 W 5%
R834	0RD7500F609	750 OHM 1/6 W 5%
R835	0RD9100F609	910 OHM 1/6 W 5.00%
R837	0RD2201F609	2.2K OHM 1/6 W 5.00%
R839	0RD1501F609	1.5K OHM 1/6 W 5%
R840	0RD1002F609	10K OHM 1/6 W 5%
R851	0RD9100F609	910 OHM 1/6 W 5.00%
R861	180-777H	RWR 7W 910 J VERT
R871	0RD4302F609	43K OHM 1/6 W 5.00%
R872	0RD5602F609	56K OHM 1/6 W 5%
R887	0RD4701F609	4.7K OHM 1/6 W 5%
R892	0RD1201F609	1.2K OHM 1/6 W 5%
R893	0RD4701F609	4.7K OHM 1/6 W 5%
R894	0RD2001F609	2K OHM 1/6 W 5%
R895	0RD4701F609	4.7K OHM 1/6 W 5%
R897	0RS3301K607	3.3K OHM 2 W 5.00%
R898	0RS3301K607	3.3K OHM 2 W 5.00%
R899	0RS0161K607	1.6 OHM 2 W 5.00%
R901B	0RD1000F609	100 OHM 1/6 W 5%
R901G	0RD1000F609	100 OHM 1/6 W 5%
R901R	0RD1000F609	100 OHM 1/6 W 5%
R905B	0RS5602K607	56K OHM 2 W 5.00%
R905G	0RS5602K607	56K OHM 2 W 5.00%
R905R	0RS5602K607	56K OHM 2 W 5.00%
R906B	0RN1501F409	1.5K OHM 1/6 W 1.00%
R906G	0RN1501F409	1.5K OHM 1/6 W 1.00%
R906R	0RN1501F409	1.5K OHM 1/6 W 1.00%
R907B	0RN2701F409	2.7K OHM 1/6 W 1.00%

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
R907G	0RN2701F409	2.7K OHM 1/6 W 1.00%
R907R	0RN2701F409	2.7K OHM 1/6 W 1.00%
R910B	180-C02Q	330OHM 1/2 W 5%
R910G	180-C02Q	330OHM 1/2 W 5%
R910R	180-C02Q	330OHM 1/2 W 5%
R911B	0RF0470H609	0.47 OHM 1/2 W 5.00%
R911G	0RF0470H609	0.47 OHM 1/2 W 5.00%
R911R	0RF0470H609	0.47 OHM 1/2 W 5.00%
R912B	0RCZVTA002E	4.7K OHM 1/2 W 10% .
R912G	0RCZVTA002E	4.7K OHM 1/2 W 10% .
R912R	0RCZVTA002E	4.7K OHM 1/2 W 10% .
R914B	0RKZVTA001K	0.47M OHM 1/2 W 5%
R914G	0RKZVTA001K	0.47M OHM 1/2 W 5%
R914R	0RKZVTA001K	0.47M OHM 1/2 W 5%
R916B	0RS5602K607	56K OHM 2 W 5.00%
R916G	0RS5602K607	56K OHM 2 W 5.00%
R916R	0RS5602K607	56K OHM 2 W 5.00%
R917B	180-C02P	220OHM 1/2 W 5%
R917G	180-C02P	220OHM 1/2 W 5%
R917R	180-C02P	220OHM 1/2 W 5%
R919B	0RD1802F609	18K OHM 1/6 W 5.00%
R919G	0RD1802F609	18K OHM 1/6 W 5.00%
R919R	0RD1802F609	18K OHM 1/6 W 5.00%
R921B	0RD1004H609	1M OHM 1/2 W 5.00%
R921G	0RD1004H609	1M OHM 1/2 W 5.00%
R921R	0RD1004H609	1M OHM 1/2 W 5.00%
R922B	0RD1002H609	10K OHM 1/2 W 5.00%
R922G	0RD1002H609	10K OHM 1/2 W 5.00%
R922R	0RD1002H609	10K OHM 1/2 W 5.00%
R923B	0RD1003H609	100K OHM 1/2 W 5.00%
R923G	0RD1003H609	100K OHM 1/2 W 5.00%
R923R	0RD1003H609	100K OHM 1/2 W 5.00%
R924B	0RD1802F609	18K OHM 1/6 W 5.00%
R924G	0RD1802F609	18K OHM 1/6 W 5.00%
R924R	0RD1802F609	18K OHM 1/6 W 5.00%
R925	0RF0102H609	10 OHM 1/2 W 5.00%
R925B	0RS4700H609	470 OHM 1/2 W 5.00%
R925G	0RS4700H609	470 OHM 1/2 W 5.00%
R925R	0RS4700H609	470 OHM 1/2 W 5.00%
R926	0RF0102H609	10 OHM 1/2 W 5.00%
R926B	0RD6201F609	6.2K OHM 1/6 W 5.00%
R926G	0RD6201F609	6.2K OHM 1/6 W 5.00%
R926R	0RD6201F609	6.2K OHM 1/6 W 5.00%
R928G	0RD5101F609	5.1K OHM 1/6 W 5.00%
R930	0RD0271H609	2.7 OHM 1/2 W 5.00%
R931	0RD1801H609	1.8K OHM 1/2 W 5.00%
R932	0RD1801H609	1.8K OHM 1/2 W 5.00%
R932B	0RD1000F609	100 OHM 1/6 W 5%
R932G	0RD1000F609	100 OHM 1/6 W 5%
R932R	0RD1000F609	100 OHM 1/6 W 5%
R933	0RD0102H609	10 OHM 1/2 W 5.00%

LOCA. NO	PART NO	DESCRIPTION
R934	0RD0271H609	2.7 OHM 1/2 W 5.00%
R937	0RD1000H609	100 OHM 1/2 W 5.00%
R938	0RD1000H609	100 OHM 1/2 W 5.00%
R940	0RD3902H609	39K OHM 1/2 W 5.00%
R941	0RD3902H609	39K OHM 1/2 W 5.00%
R943	0RS1800J607	180 OHM 1 W 5.00%
R944	0RD0472F609	47 OHM 1/6 W 5%
R950	0RD0271H609	2.7 OHM 1/2 W 5.00%
R951	0RD1801H609	1.8K OHM 1/2 W 5.00%
R952	0RD1801H609	1.8K OHM 1/2 W 5.00%
R953	0RD0102H609	10 OHM 1/2 W 5.00%
R954	0RD0271H609	2.7 OHM 1/2 W 5.00%
R957	0RD1000H609	100 OHM 1/2 W 5.00%
R958	0RD1000H609	100 OHM 1/2 W 5.00%
R960	0RD3902H609	39K OHM 1/2 W 5.00%
R961	0RD3902H609	39K OHM 1/2 W 5.00%
R963	0RS1800J607	180 OHM 1 W 5.00%
R964	0RD0472F609	47 OHM 1/6 W 5%
R970	0RD0271H609	2.7 OHM 1/2 W 5.00%
R971	0RD1801H609	1.8K OHM 1/2 W 5.00%
R972	0RD1801H609	1.8K OHM 1/2 W 5.00%
R973	0RD0102H609	10 OHM 1/2 W 5.00%
R974	0RD0271H609	2.7 OHM 1/2 W 5.00%
R977	0RD1000H609	100 OHM 1/2 W 5.00%
R978	0RD1000H609	100 OHM 1/2 W 5.00%
R980	0RD3902H609	39K OHM 1/2 W 5.00%
R981	0RD3902H609	39K OHM 1/2 W 5.00%
R983	0RS1800J607	180 OHM 1 W 5.00%
R984	0RD0472F609	47 OHM 1/6 W 5%
RT01	0RD8200F609	820 OHM 1/6 W 5.00%
RT02	0RD1002F609	10K OHM 1/6 W 5%
RT03	0RD4700F609	470 OHM 1/6 W 0.05
RT04	0RD4700F609	470 OHM 1/6 W 0.05
RT05	0RD1002F609	10K OHM 1/6 W 5%
RT07	0RD1000F609	100 OHM 1/6 W 5%
RT08	0RD1000F609	100 OHM 1/6 W 5%
RT09	0RD1000F609	100 OHM 1/6 W 5%
RT10	0RD1000F609	100 OHM 1/6 W 5%
RT11	0RD1000F609	100 OHM 1/6 W 5%
“(45”)	0RD4701F609	4.7K OHM 1/6 W 5%
RT12	0RD4701F609	4.7K OHM 1/6 W 5%
RT13	0RD4701F609	4.7K OHM 1/6 W 5%
“(45”)	0RD1000F609	100 OHM 1/6 W 5%
RT14	0RD4701F609	4.7K OHM 1/6 W 5%
“(45”)	0RD1000F609	100 OHM 1/6 W 5%
RT15	0RD1000F609	100 OHM 1/6 W 5%
RT16	0RD1000F609	100 OHM 1/6 W 5%
RT17	0RD1000F609	100 OHM 1/6 W 5%
“(45”)	0RD4701F609	4.7K OHM 1/6 W 5%
RT18	0RD1000F609	100 OHM 1/6 W 5%
“(45”)	0RD4701F609	4.7K OHM 1/6 W 5%

REPLACEMENT PARTS LIST

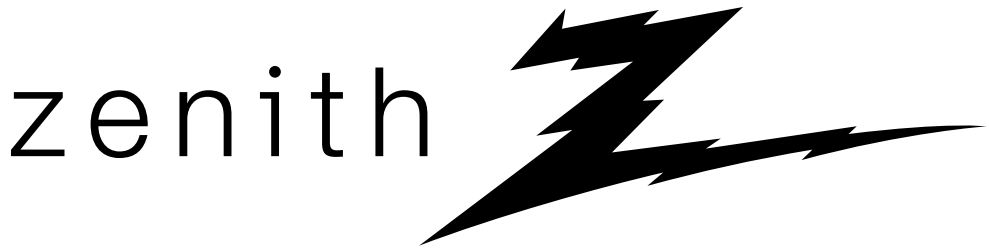
LOCA. NO	PART NO	DESCRIPTION
RT19	0RD4701F609	4.7K OHM 1/6 W 5%
RT20	0RD4701F609	4.7K OHM 1/6 W 5%
RT21	0RD4701F609	4.7K OHM 1/6 W 5%
RT22	0RD4701F609	4.7K OHM 1/6 W 5%
“(45”)	0RD1000F609	100 OHM 1/6 W 5%
RT23	0RD1000H609	100 OHM 1/2 W 5.00%
RT24	0RD1001F609	1K OHM 1/6 W 5%
RT25	0RD1001F609	1K OHM 1/6 W 5%
RT26	0RD1000H609	100 OHM 1/2 W 5.00%
RT27	0RD1001F609	1K OHM 1/6 W 5%
RT28	0RD1001F609	1K OHM 1/6 W 5%
RT29	0RD1500H609	150 OHM 1/2 W 5.00%
RT30	0RD1001F609	1K OHM 1/6 W 5%
RT31	0RD1001F609	1K OHM 1/6 W 5%
RT32	0RD1000H609	100 OHM 1/2 W 5.00%
RT33	0RD1001F609	1K OHM 1/6 W 5%
RT34	0RD1001F609	1K OHM 1/6 W 5%
RT35	0RD1000H609	100 OHM 1/2 W 5.00%
RT36	0RD1001F609	1K OHM 1/6 W 5%
RT37	0RD1001F609	1K OHM 1/6 W 5%
RT38	0RD1000F609	100 OHM 1/6 W 5%
RT39	0RD1000F609	100 OHM 1/6 W 5%
RT40	0RD4700F609	470 OHM 1/6 W 0.05
RT42	0RD3001F609	3K OHM 1/6 W 5.00%
VR401	0RV1103D550	10K OHM 6 AG L3P5, 2.5
SPARK GAP		
SG401	6918VAX002B	SPARK GAP,SSA102NA1 1000V 30%
SG402	6918VAX002B	SPARK GAP,SSA102NA1 1000V 30%
SG901B	6918VAX002D	SPARK GAP,WSP301M 300V 20%
SG901G	6918VAX002D	SPARK GAP,WSP301M 300V 20%
SG901R	6918VAX002D	SPARK GAP,WSP301M 300V 20%
SG902B	6918VAX002B	SPARK GAP,SSA102NA1 1000V 30%
SG902G	6918VAX002B	SPARK GAP,SSA102NA1 1000V 30%
SG902R	6918VAX002B	SPARK GAP,SSA102NA1 1000V 30%
SG903B	6918VAX002E	SPARK GAP,WSP351M 350V 20%
SG903G	6918VAX002E	SPARK GAP,WSP351M 350V 20%
SG903R	6918VAX002E	SPARK GAP,WSP351M 350V 20%
SWITCH		
SW100	140-313A	SWITCH,TACT 2LEAD 100G(TA) 5V
SW880	140-275E	SWITCH,PUSH SPBS222EP011
SWT01	140-313B	SWITCH,TACT 2LEAD 160G(TA)
SWT02	140-313B	SWITCH,TACT 2LEAD 160G(TA)
SWT03	140-313B	SWITCH,TACT 2LEAD 160G(TA)
SWT04	140-313B	SWITCH,TACT 2LEAD 160G(TA)
SWT05	140-313B	SWITCH,TACT 2LEAD 160G(TA)
SWT06	140-313B	SWITCH,TACT 2LEAD 160G(TA)
SWT07	140-313B	SWITCH,TACT 2LEAD 160G(TA)

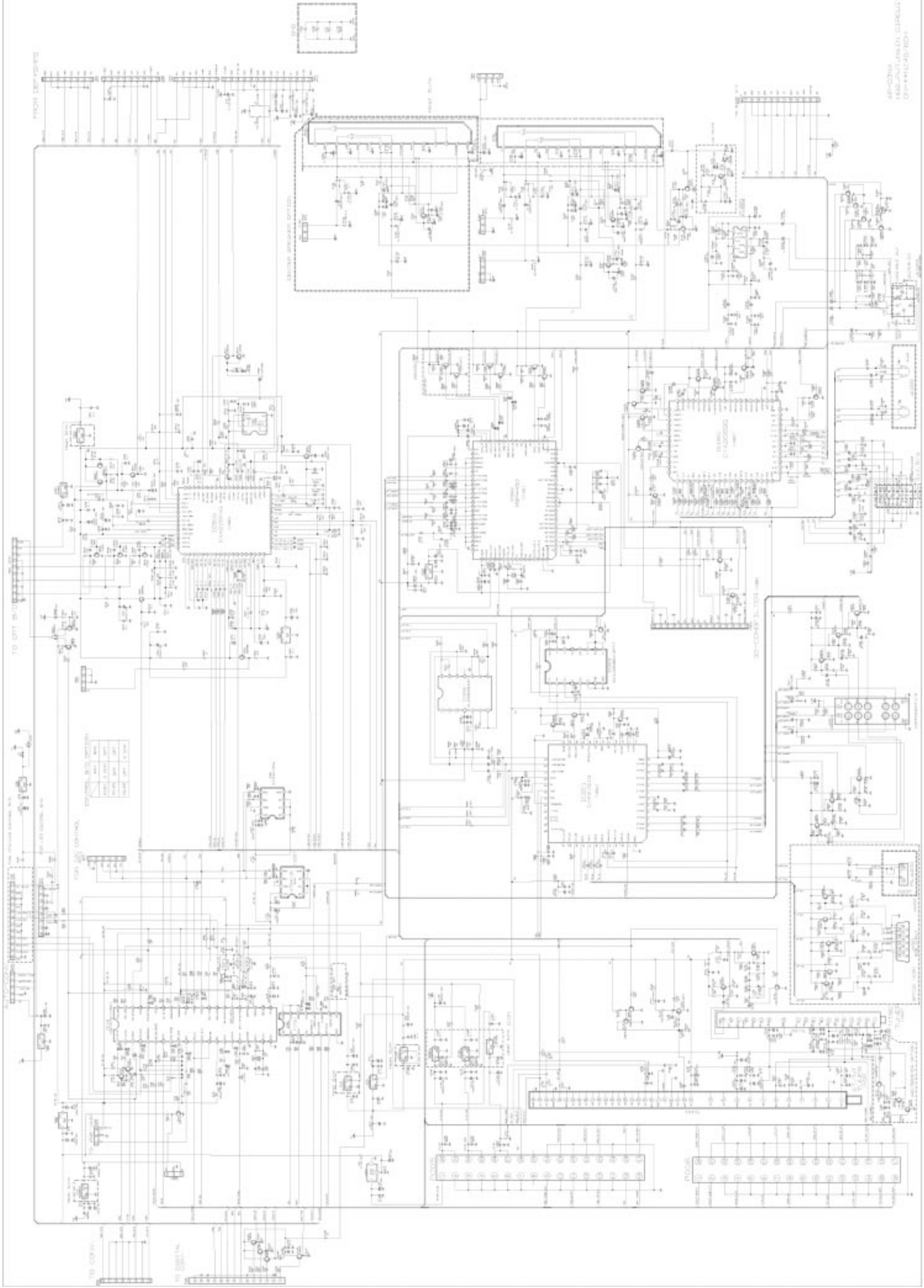
LOCA. NO	PART NO	DESCRIPTION
SWT08	140-313B	SWITCH,TACT 2LEAD 160G(TA)
FILTER & CRYSTAL		
FB2000	125-022K	FILTER,EMC 62MM 1UH
FB2001	125-022K	FILTER,EMC 62MM 1UH
FB2002	125-022K	FILTER,EMC 62MM 1UH
FB2003	125-022K	FILTER,EMC 62MM 1UH
FB2004	125-022K	FILTER,EMC 62MM 1UH
FB2005	125-022K	FILTER,EMC 62MM 1UH
FB2006	125-022K	FILTER,EMC 62MM 1UH
FB2007	125-022K	FILTER,EMC 62MM 1UH
FB2008	125-022K	FILTER,EMC 62MM 1UH
FB2009	125-022K	FILTER,EMC 62MM 1UH
FB2010	125-022K	FILTER,EMC 62MM 1UH
FB2011	125-022K	FILTER,EMC 62MM 1UH
FB402	125-022K	FILTER,EMC 62MM 1UH
FB403	125-022K	FILTER,EMC 62MM 1UH
FB801	125-022K	FILTER,EMC 62MM 1UH
FB802	125-022K	FILTER,EMC 62MM 1UH
FB803	125-022K	FILTER,EMC 62MM 1UH
FB805	125-022K	FILTER,EMC 62MM 1UH
FB841	125-022K	FILTER,EMC 62MM 1UH
FB851	125-022K	FILTER,EMC 62MM 1UH
FB852	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB861	125-022K	FILTER,EMC 62MM 1UH
FB871	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB872	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB881	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB882	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB891	125-022K	FILTER,EMC 62MM 1UH
FB892	125-022K	FILTER,EMC 62MM 1UH
FB902B	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB902G	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB902R	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB905B	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB905G	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB905R	125-123A	FILTER,EMC FERRITE BFD3565R2F
FB932	125-022K	FILTER,EMC 62MM 1UH
FB952	125-022K	FILTER,EMC 62MM 1UH
FB972	125-022K	FILTER,EMC 62MM 1UH
IC302	6200C000010	FILTER,B.P. H354LAIK5202
IC303	6200C000010	FILTER,B.P. H354LAIK5202
IC317	6200VKR002A	FILTER,B.P. LPF 2EA TA355LSKK5216 38MHZ
IC318	6200VKR002A	FILTER,B.P. LPF 2EA TA355LSKK5216 38MHZ
IC319	6200VKR002A	FILTER,B.P. LPF 2EA TA355LSKK5216 38MHZ
L1001	6210TCE001G	FILTER,EMC HH1M3216501
L1002	6210TCE001G	FILTER,EMC HH1M3216501
L1003	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1004	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
L1005	6210TCE001G	FILTER,EMC HH1M3216501
L1006	6210TCE001G	FILTER,EMC HH1M3216501

REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
L1206	125-022K	FILTER,EMC 62MM 1UH
L2007	6210TCT002B	FILTER,EMC ACB2012M300T
L2008	6210TCT002B	FILTER,EMC ACB2012M300T
L2009	6210TCT002B	FILTER,EMC ACB2012M300T
L2010	6210TCT002B	FILTER,EMC ACB2012M300T
L2011	6210TCT002B	FILTER,EMC ACB2012M300T
L2012	6210TCT002B	FILTER,EMC ACB2012M300T
L2013	6210TCT002B	FILTER,EMC ACB2012M300T
L2014	6210TCT002B	FILTER,EMC ACB2012M300T
L2018	6210TCT002B	FILTER,EMC ACB2012M300T
L2021	6210TCT002B	FILTER,EMC ACB2012M300T
L2027	125-022K	FILTER,EMC 62MM 1UH
L2028	6210TCT002B	FILTER,EMC ACB2012M300T
L205	6210TCT002B	FILTER,EMC ACB2012M300T
L206	6210TCT002B	FILTER,EMC ACB2012M300T
L604	6210TCE001G	FILTER,EMC HH1M3216501
L710	6210TCE001G	FILTER,EMC HH1M3216501
L81A	150-F06Z	FILTER,EMC SQE3535 10MH
L81B	150-F06Z	FILTER,EMC SQE3535 10MH
L81C	150-F06Z	FILTER,EMC SQE3535 10MH
T1001	6200C000010	FILTER,B.P. H354LAIK5202
T1002	6200C000010	FILTER,B.P. H354LAIK5202
T1003	6200C000009	FILTER,B.P. H354LAIK5225
T1004	6200C000009	FILTER,B.P. H354LAIK5225
T400	6200QJ3001A	FILTER,EMC BMS400 25V 200MA
T401	6200QJ3001A	FILTER,EMC BMS400 25V 200MA
T402	6200QJ3001A	FILTER,EMC BMS400 25V 200MA
T403	6200QJ3001A	FILTER,EMC BMS400 25V 200MA
T404	6200QJ3001A	FILTER,EMC BMS400 25V 200MA
T405	6200QJ3001A	FILTER,EMC BMS400 25V 200MA
T406	6200QJ3001A	FILTER,EMC BMS400 25V 200MA
T407	6200QJ3001A	FILTER,EMC BMS400 25V 200MA
T408	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
T409	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
T410	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
T411	6200VJT006A	FILTER,EMC STC222D 50VOLT 4A 2200PF
T413	6200QJ3001A	FILTER,EMC BMS400 25V 200MA
X100	6212AB2015E	RESONATOR,CRYSTAL HC49/SM 10.0MHZ
X1001	156-A02Z	RESONATOR,CRYSTAL HC49/U 20.000MHZ
X11	156-A01P	RESONATOR,CRYSTAL HC49U 8.000MHZ
X201	156-A01E	RESONATOR,CRYSTAL HC49U 4.000MHZ
X300	6202VDT002E	RESONATOR,CRYSTAL SX1SMD 20250000HZ
X301	6202VDT002E	RESONATOR,CRYSTAL SX1SMD 20250000HZ
X500	6212BA2002C	RESONATOR,CERAMIC CSALA2M69G4ZF01B0
X601	156-A02R	RESONATOR,CRYSTAL HC49U 18.432MHZ
MISCELLANEOUS		
F800	0FS5001B51D	FUSE,SLOW BLOW 5000MA 250V
IC312	6204B60001B	OSCILLATOR,VCXO 27MHZ
NTC80A	163-048D	THERMISTOR,NTC KL15L2R5 +/ 15% 125V
NTC80B	163-048D	THERMISTOR,NTC KL15L2R5 +/ 15% 125V

LOCA. NO	PART NO	DESCRIPTION
PA01P	6726VH0001A	REMOTE CONTROLLER RECEIVER,38KHZ
S1B	5240VE0003C	LEAD SET,UL 1032 AWG 22 TWI 300
S1G	5240VE0003D	LEAD SET,UL 1032 AWG 22 TWI 500
S1R	5240VE0003J	LEAD SET,UL 1032 AWG 22 TWI 700
SCR2	6030V00003A	SCR,SGSTHOMSON P0102BA 200V 0.8A TO92
TU101	6700NFNS04B	TUNER,TDVBH701P
TU102	6700NFNS06B	TUNER,TAFDH001P
VA800	164-003K	VARISTOR,SVC621D14A 620V 0%
X601	6204B47985K	OSCILLATOR,BMS873R 25MHZ
ACCESSORIES		
A1	3828VA0419A	MANUAL,OWNERS AP03NB
A2	6710V00103D	REMOTE CONTROLLER
“(45”)	6710V00102B	REMOTE CONTROLLER


zenith



KEY-CONTROL

DN-**NZ60H

with INDEX

DLT1
LED-MODULE

KEY MATRIX

	KO-0	KO-1	KO-2
KI-0	MUTE/INDEX	TV/VIDEO	MENU
KI-1	CH+	VOL+	SUB-PWR / OPT
KI-2	ENTER	VOL-	CH-

SWT01 TV/VIDEO
SWT02 MENU
SWT03 ENTER
SWT04 INDEX
SWT05 VOL-
SWT06 VOL+
SWT07 CH-
SWT08 CH+

TV
VIDEO
HDTV
DVD
SRS
P-LED

ST-5V
RT04 470
RT40 470
CT01 0.1U
RT41 OPT
RT06 TINE-WIRE
RT02 10K
QT01 C3198Y
RT42 3K

RT23 33/0.5W
RT26 33/0.5W
RT29 150/0.5W
RT32 33/0.5W
RT35 33/0.5W

QT02 C3198Y
RT24 1K
RT25 1K
RT27 1K
QT03 C3198Y
RT28 1K
RT30 1K
QT04 C3198Y
RT31 1K
RT33 1K
QT05 C3198Y
RT34 1K
RT36 1K
QT06 C3198Y
RT37 1K

ICT01
MB2320P

RT07 100
CT02 68P
RT08 100
CT03 68P
CT09 100U/16V_SRE
CT08 0.1U
LT02 10UH
RT09 100
RT10 100
RT11 100
RT15 100
RT16 100
RT17 100
RT18 100
RT19 4.7K
RT20 4.7K
RT21 4.7K
RT22 4.7K
RT12 4.7K
RT13 4.7K
RT14 4.7K
CT10 470U/16V_SRE

ICT02
MB2320P

SUB POWER (OPT)

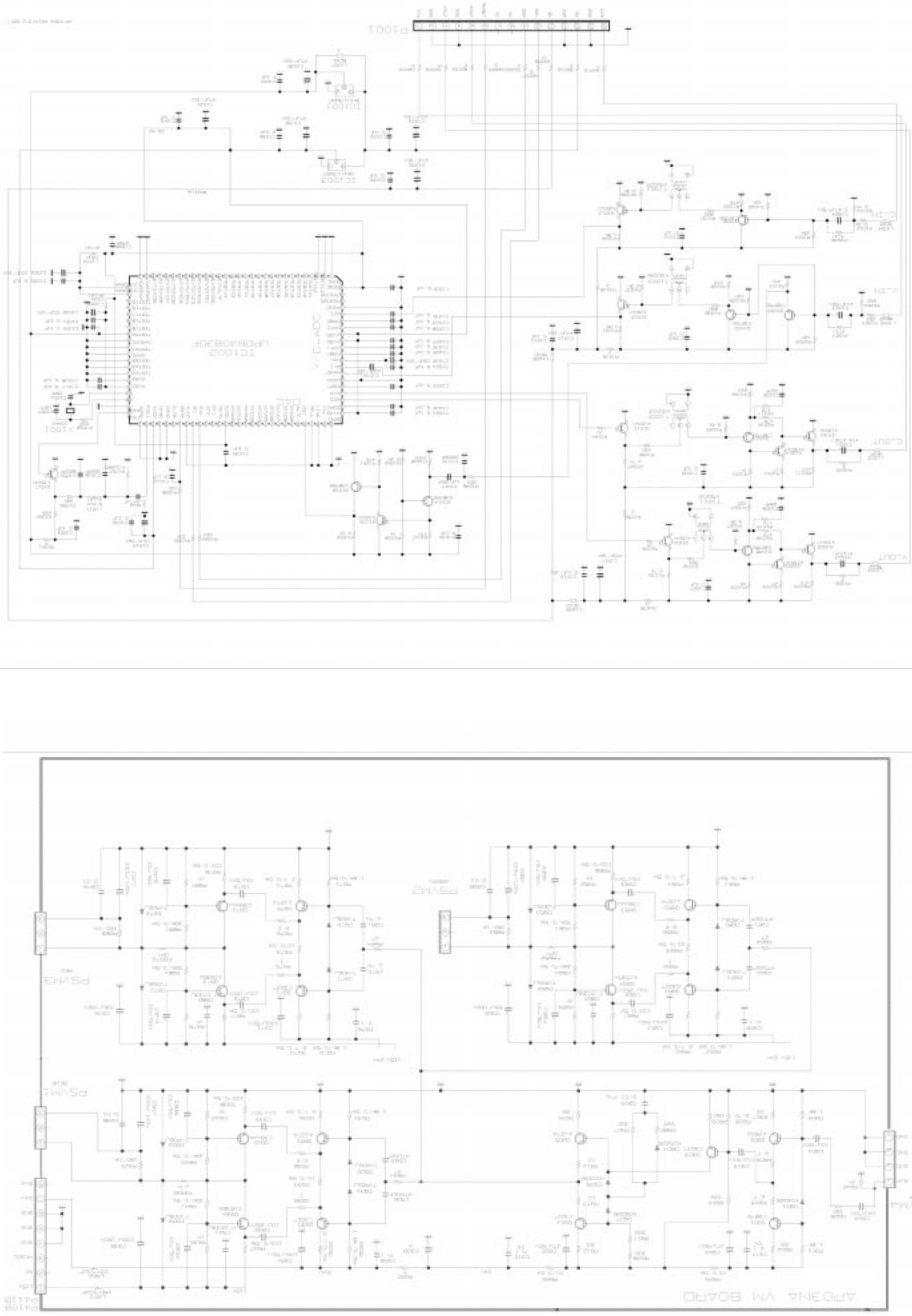
L	H
ON	OFF

RT38 100
CT06 68P
RT39 100
CT07 68P
CT04 0.1U
LT01 10UH
CT05 100/16V_SRE

CT11 470U/16V_SRE

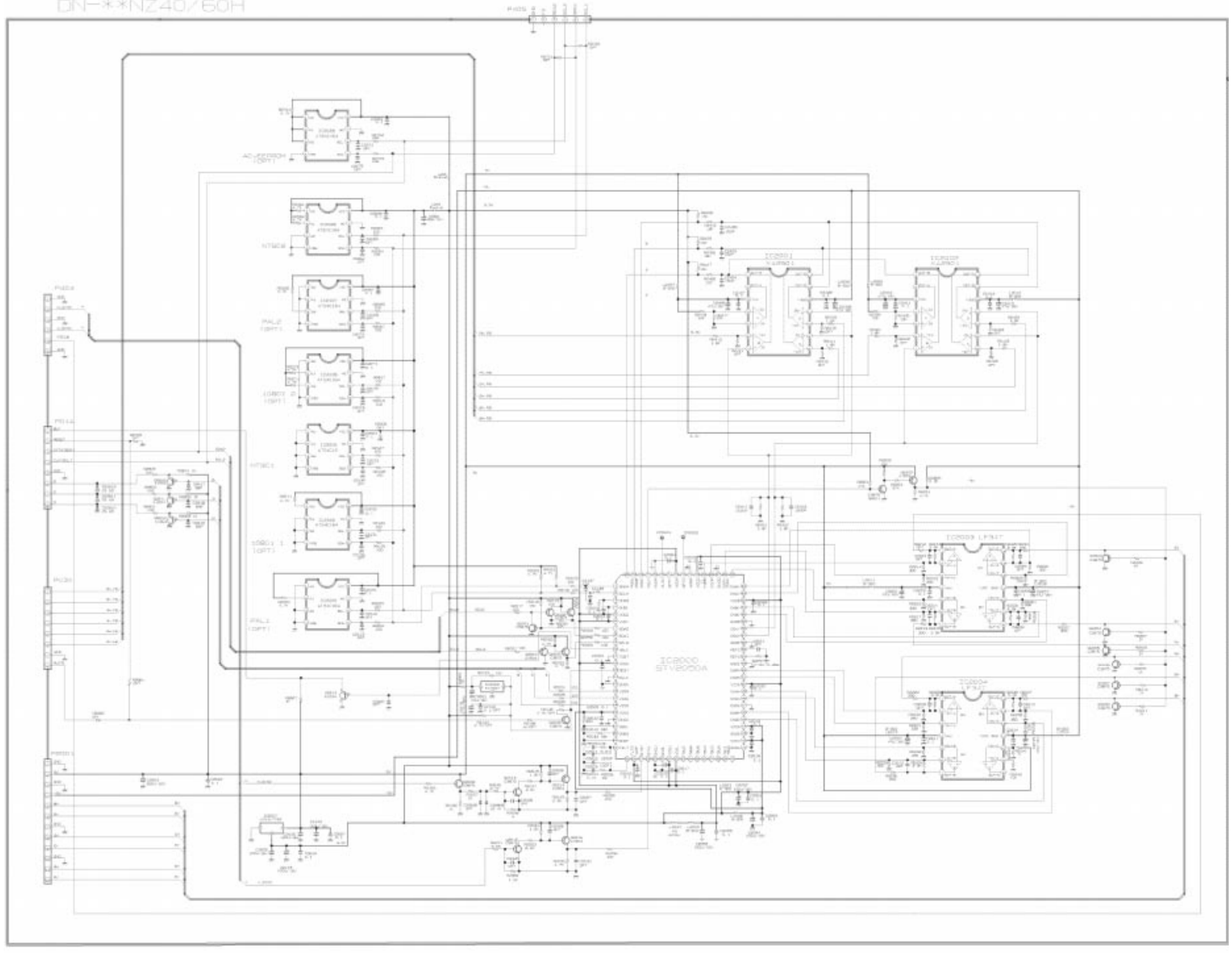
RT01 8PIN
ST-5V GND 5V/5V GND SCL1 SDA1 GND GND

AP-03NA

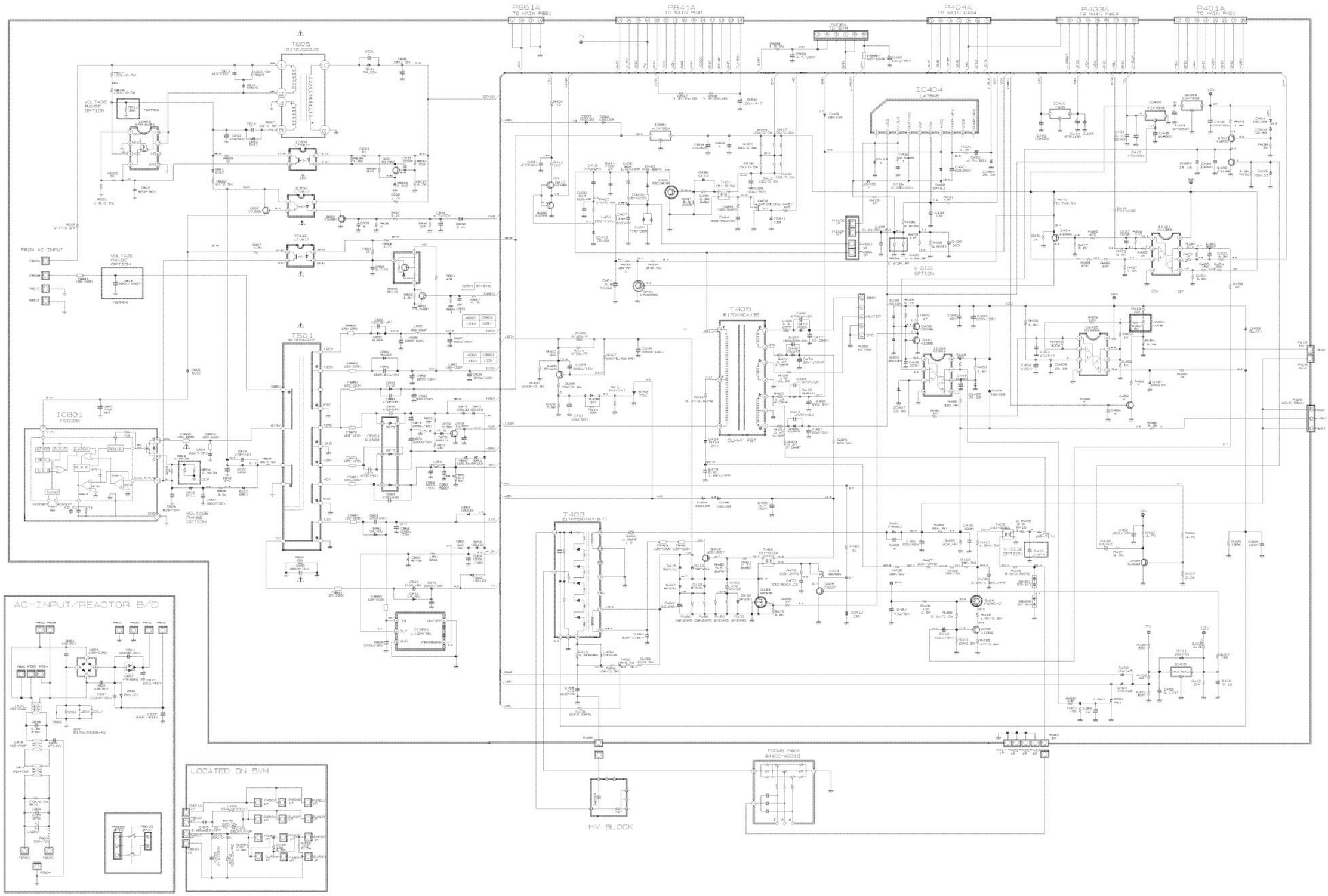


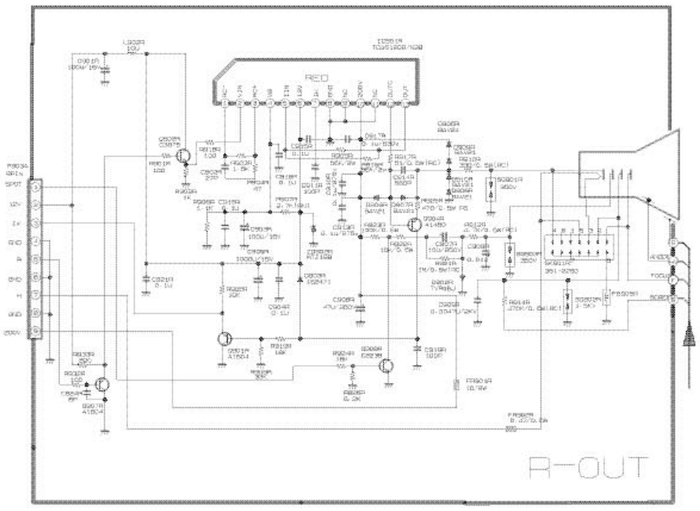
AP-03NA DIGITAL CONVERGENCE

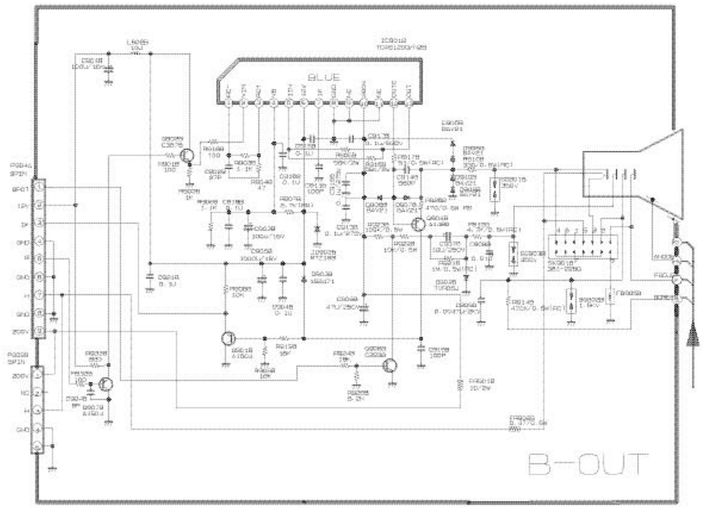
DN-**NZ40/60H

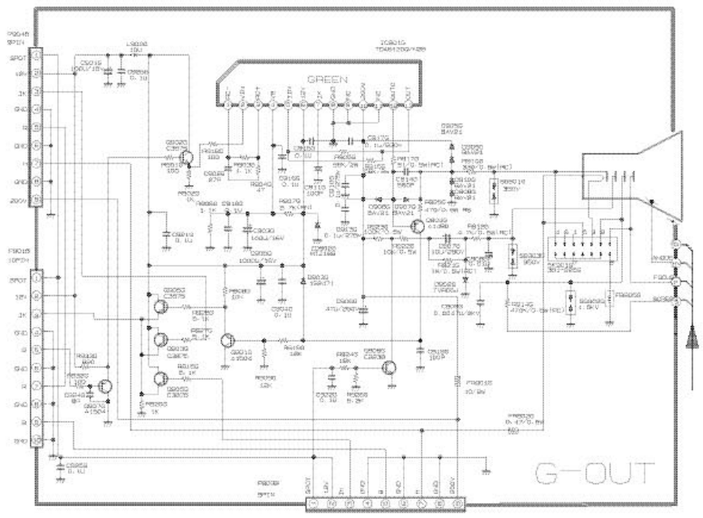


SMPS+DEF B/D AP03NA









AP03NA
DN-**NZ40/60H

AP03NA SIDE-AV, PRE-AMP BOARD